

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** RED Z®

**Other means of identification** Not available.

**Recommended use** Not available.

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Manufacturer:** Safetec of America, Inc.  
887 Kensington Avenue  
Buffalo, NY 14215

**Company Telephone:** 1-716-895-1822

**E-mail Address:** www.safetec.com

**Emergency Telephone:** 1-800-255-3924

**Supplier** Refer to Manufacturer

## 2. Hazard(s) identification

**Physical hazards** This mixture does not meet the classification criteria according to OSHA HazCom 2012.

**Health hazards** This mixture does not meet the classification criteria according to OSHA HazCom 2012.

**Environmental hazards** This mixture does not meet the classification criteria according to OSHA HazCom 2012.

**OSHA defined hazards** This mixture does not meet the classification criteria according to OSHA HazCom 2012.

### Label elements

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** The mixture does not meet the criteria for classification.

**Precautionary statement**

**Prevention** None required according to OSHA Hazcom 2012.

**Response** None required according to OSHA Hazcom 2012.

**Storage** None required according to OSHA Hazcom 2012.

**Disposal** None required according to OSHA Hazcom 2012.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name                    | Common name and synonyms    | CAS number | %    |
|----------------------------------|-----------------------------|------------|------|
| Superabsorbent Polymer           |                             | 9033-79-8  | > 97 |
| Sodium dichloro-s-triazinetriene | SODIUM DICHLOROISOCYANURATE | 2893-78-9  | 0.25 |

## 4. First-aid measures

**Inhalation** If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.

**Skin contact** Wash off with warm water and soap. Get medical attention if symptoms occur.

**Eye contact** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

**Ingestion** Seek medical advice.

**Most important symptoms/effects, acute and delayed** May be mildly irritating to skin, eyes and respiratory system.

Indication of immediate medical attention and special treatment needed

Treat symptomatically.

## 5. Fire-fighting measures

Suitable extinguishing media

Water. Water Spray or Fog. Dry chemicals. Foam. Carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Thermal decomposition or combustion may liberate toxic gases or fumes.

Special protective equipment and precautions for firefighters

None known.

Fire fighting equipment/instructions

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

General fire hazards

No unusual fire or explosion hazards noted.

Hazardous combustion products

Carbon oxides. Nitrogen oxides (NO<sub>x</sub>).

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. After dust removal, flush contaminated area thoroughly with water.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

Precautions for safe handling

When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Avoid dust formation. Use only with adequate ventilation. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep cool. Store away from incompatible materials.

## 8. Exposure controls/personal protection

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Chemical resistant gloves recommended.

Other

Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health or safety professional or manufacturer for specific information.

Respiratory protection

Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Thermal hazards

Not available.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

Appearance

Granular powder.

Physical state

Solid.

Form

Powder.

Color

Off-white.

Odor

Slight chlorine.

|                                                     |                 |
|-----------------------------------------------------|-----------------|
| <b>Odor threshold</b>                               | Not available.  |
| <b>pH</b>                                           | Not available.  |
| <b>Melting point/freezing point</b>                 | Not available.  |
| <b>Initial boiling point and boiling range</b>      | Not available.  |
| <b>Flash point</b>                                  | Not available.  |
| <b>Evaporation rate</b>                             | Not available.  |
| <b>Flammability (solid, gas)</b>                    | Not applicable. |
| <b>Upper/lower flammability or explosive limits</b> |                 |
| <b>Flammability limit - lower (%)</b>               | Not available.  |
| <b>Flammability limit - upper (%)</b>               | Not available.  |
| <b>Explosive limit - lower (%)</b>                  | Not available.  |
| <b>Explosive limit - upper (%)</b>                  | Not available.  |
| <b>Vapor pressure</b>                               | Not available.  |
| <b>Vapor density</b>                                | Not available.  |
| <b>Relative density</b>                             | Not available.  |
| <b>Solubility(ies)</b>                              |                 |
| <b>Solubility (water)</b>                           | Slight.         |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.  |
| <b>Auto-ignition temperature</b>                    | Not available.  |
| <b>Decomposition temperature</b>                    | Not available.  |
| <b>Viscosity</b>                                    | Not available.  |

## 10. Stability and reactivity

|                                           |                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Stable at normal conditions.                                                                  |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.                                                      |
| <b>Conditions to avoid</b>                | High humidity. High temperatures.                                                             |
| <b>Incompatible materials</b>             | Strong reducing agents.                                                                       |
| <b>Hazardous decomposition products</b>   | Carbon oxides. Nitrogen oxides (NOx).                                                         |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |                                                                           |
|---------------------|---------------------------------------------------------------------------|
| <b>Inhalation</b>   | Inhalation of dusts may cause respiratory irritation.                     |
| <b>Skin contact</b> | May cause mild skin irritation.                                           |
| <b>Eye contact</b>  | May cause mild eye irritation.                                            |
| <b>Ingestion</b>    | No harmful effects expected in amounts likely to be ingested by accident. |

|                                                           |                                                                |
|-----------------------------------------------------------|----------------------------------------------------------------|
| <b>Most important symptoms/effects, acute and delayed</b> | May be mildly irritating to skin, eyes and respiratory system. |
|-----------------------------------------------------------|----------------------------------------------------------------|

### Information on toxicological effects

|                                          |                                  |
|------------------------------------------|----------------------------------|
| <b>Acute toxicity</b>                    | No adverse effects are expected. |
| <b>Skin corrosion/irritation</b>         | May cause mild skin irritation.  |
| <b>Serious eye damage/eye irritation</b> | May cause mild eye irritation.   |

### Respiratory or skin sensitization

|                                  |                                                                  |
|----------------------------------|------------------------------------------------------------------|
| <b>Respiratory sensitization</b> | This product is not expected to cause respiratory sensitization. |
| <b>Skin sensitizer</b>           | This product is not expected to cause skin sensitization.        |

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Reproductive toxicity** This product is not expected to cause reproductive effects.

**Specific target organ toxicity - single exposure** Not classified as a specific target organ toxicity -single exposure.

**Specific target organ toxicity - repeated exposure** Not classified as a specific target organ toxicity -repeated exposure.

**Aspiration toxicity** Not expected to be an aspiration hazard.

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and degradability** Not available.

**Bioaccumulative potential** Not available.

**Mobility in soil** Not available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

## 15. Regulatory information

**US federal regulations** This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

### SARA 304 Emergency release notification

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** No

### SARA 313 (TRI reporting)

Not regulated.

## Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

## US state regulations

### US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

### US. Massachusetts RTK - Substance List

Not regulated.

### US. New Jersey Worker and Community Right-to-Know Act

Not listed.

### US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

### US. Rhode Island RTK

Not regulated.

### US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

## International Inventories

| Country(s) or region        | Inventory name                                                         | On inventory (yes/no)* |
|-----------------------------|------------------------------------------------------------------------|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)                                         | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)                                          | No                     |
| New Zealand                 | New Zealand Inventory                                                  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 02-23-2015

**Version #** 01

**Disclaimer**

Prepared by: ICC The Compliance Center Inc. 1-888-442-9628  
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**Revision Information**

Product and Company Identification: Product and Company Identification

Composition / Information on Ingredients: Ingredients

Physical & Chemical Properties: Multiple Properties

Regulatory Information: United States

GHS: Classification

**Bibliography**

ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices (2014)

Canadian Centre for Occupational Health and Safety, CCIInfoWeb Databases, 2014

(Chempendium, RTECs, HSDB, INCHEM)

European Chemicals Bureau, Existing Chemicals Work Area, EINECS Information System, 2014.

Material Safety Data Sheet from manufacturer.

OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2014.

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** SaniZide Plus® Germicidal Wipe

**Other means of identification** Not available.

**Recommended use** Not available.

**Recommended restrictions** None known.

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

**Manufacturer:** Safetec of America, Inc.  
887 Kensington Avenue  
Buffalo, NY 14215

**Company Telephone:** 1-716-895-1822

**E-mail Address:** www.safetec.com

**Emergency Telephone:** 1-800-255-3924

**Supplier** Refer to Manufacturer

## 2. Hazard(s) identification

**Physical hazards** This mixture does not meet the classification criteria according to OSHA HazCom 2012.

**Health hazards** Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2A

**Environmental hazards** This mixture does not meet the classification criteria according to OSHA HazCom 2012.

**OSHA defined hazards** This mixture does not meet the classification criteria according to OSHA HazCom 2012.

### Label elements



**Signal word** Warning

**Hazard statement** Causes serious eye irritation. Causes skin irritation.

### Precautionary statement

**Prevention** Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection.

**Response** If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**Storage** None required according to OSHA Hazcom 2012.

**Disposal** None required according to OSHA Hazcom 2012.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name                                 | Common name and synonyms                              | CAS number | %     |
|-----------------------------------------------|-------------------------------------------------------|------------|-------|
| Nonoxynol-10                                  | Nonylphenol, ethoxylated                              | 9016-45-9  | 0.53  |
| Alkyl-dimethyl-benzyl-ammonium chloride       | Quaternary ammonium compound<br>BENZALKONIUM CHLORIDE | 68391-01-5 | 0.105 |
| Alkyl-dimethyl-ethyl-benzyl-ammonium chloride |                                                       | 68956-79-6 | 0.105 |

## 4. First-aid measures

|                                                                        |                                                                                                                                                                           |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation                                                             | If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.                                                                                  |
| Skin contact                                                           | Wash off with warm water and soap. Get medical attention if symptoms occur.                                                                                               |
| Eye contact                                                            | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur. |
| Ingestion                                                              | Seek medical advice.                                                                                                                                                      |
| Most important symptoms/effects, acute and delayed                     | Causes serious eye irritation. Causes skin irritation.                                                                                                                    |
| Indication of immediate medical attention and special treatment needed | Treat symptomatically.                                                                                                                                                    |

## 5. Fire-fighting measures

|                                                               |                                                                                               |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Suitable extinguishing media                                  | Water. Water Spray or Fog. Dry chemicals. Foam. Carbon dioxide (CO2).                         |
| Unsuitable extinguishing media                                | Do not use water jet as an extinguisher, as this will spread the fire.                        |
| Specific hazards arising from the chemical                    | Thermal decomposition or combustion may liberate toxic gases or fumes.                        |
| Special protective equipment and precautions for firefighters | None known.                                                                                   |
| Fire fighting equipment/instructions                          | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| General fire hazards                                          | No unusual fire or explosion hazards noted.                                                   |
| Hazardous combustion products                                 | Carbon oxides. Hydrogen chloride.                                                             |

## 6. Accidental release measures

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.                                                                                                                                                       |
| Methods and materials for containment and cleaning up               | Absorb spill with vermiculite or other inert material, then place in a sealed container for chemical waste.<br><br>Large Spills: Flush with plenty of water. Prevent entry into waterways, sewer, basements or confined areas. Dike for later disposal.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. |
| Environmental precautions                                           | Avoid discharge into drains, water courses or onto the ground.                                                                                                                                                                                                                                                                                                                                |

## 7. Handling and storage

|                                                              |                                                                                                                                                             |
|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling                                | When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Use only with adequate ventilation. Wash thoroughly after handling. |
| Conditions for safe storage, including any incompatibilities | Keep container tightly closed. Keep cool. Store away from incompatible materials.                                                                           |

## 8. Exposure controls/personal protection

|                                                                       |                                                                                                                                                                                         |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Occupational exposure limits                                          | No exposure limits noted for ingredient(s).                                                                                                                                             |
| Biological limit values                                               | No biological exposure limits noted for the ingredient(s).                                                                                                                              |
| Appropriate engineering controls                                      | Ensure adequate ventilation, especially in confined areas.                                                                                                                              |
| Individual protection measures, such as personal protective equipment |                                                                                                                                                                                         |
| Eye/face protection                                                   | Wear safety glasses with side shields (or goggles).                                                                                                                                     |
| Skin protection                                                       |                                                                                                                                                                                         |
| Hand protection                                                       | Chemical resistant gloves recommended.                                                                                                                                                  |
| Other                                                                 | Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health or safety professional or manufacturer for specific information. |



|                                       |                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Respiratory protection</b>         | If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Contact health and safety professional or manufacturer for specific information. |
| <b>Thermal hazards</b>                | Not available.                                                                                                                                                                                                                                                                                                                       |
| <b>General hygiene considerations</b> | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.                                                                                                                |

## 9. Physical and chemical properties

|                                                     |                              |
|-----------------------------------------------------|------------------------------|
| <b>Appearance</b>                                   | Towelette.                   |
| <b>Physical state</b>                               | Liquid.                      |
| <b>Form</b>                                         | Towelette.                   |
| <b>Color</b>                                        | Colorless.                   |
| <b>Odor</b>                                         | Odorless.                    |
| <b>Odor threshold</b>                               | Not available.               |
| <b>pH</b>                                           | 11 - 12                      |
| <b>Melting point/freezing point</b>                 | 30.02 °F (-1.1 °C)           |
| <b>Initial boiling point and boiling range</b>      | 200 °F (93.33 °C)            |
| <b>Flash point</b>                                  | 200.0 °F (93.3 °C) Setaflash |
| <b>Evaporation rate</b>                             | Not available.               |
| <b>Flammability (solid, gas)</b>                    | Not applicable.              |
| <b>Upper/lower flammability or explosive limits</b> |                              |
| <b>Explosive limit - lower (%)</b>                  | Not available.               |
| <b>Explosive limit - upper (%)</b>                  | Not available.               |
| <b>Vapor pressure</b>                               | Not available.               |
| <b>Vapor density</b>                                | > 1                          |
| <b>Relative density</b>                             | 1.01                         |
| <b>Solubility(ies)</b>                              |                              |
| <b>Solubility (water)</b>                           | Complete.                    |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.               |
| <b>Auto-ignition temperature</b>                    | Not available.               |
| <b>Decomposition temperature</b>                    | Not available.               |
| <b>Viscosity</b>                                    | Not available.               |
| <b>Other information</b>                            |                              |
| <b>VOC (Weight %)</b>                               | 0 %                          |

## 10. Stability and reactivity

|                                           |                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Stable at normal conditions.                                                                  |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.                                                      |
| <b>Conditions to avoid</b>                | High temperatures.                                                                            |
| <b>Incompatible materials</b>             | Strong oxidizing agents. Acids.                                                               |
| <b>Hazardous decomposition products</b>   | Carbon oxides. Hydrogen chloride.                                                             |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| <b>Skin contact</b> | Causes skin irritation.                                                                            |
| <b>Eye contact</b>  | Causes serious eye irritation.                                                                     |

**Ingestion** No harmful effects expected in amounts likely to be ingested by accident.

**Most important symptoms/effects, acute and delayed** Causes serious eye irritation. Causes skin irritation.

#### Information on toxicological effects

**Acute toxicity** No adverse effects are expected.

| Components                   | Species | Test Results          |
|------------------------------|---------|-----------------------|
| Nonoxynol-10 (CAS 9016-45-9) |         |                       |
| <b>Acute</b>                 |         |                       |
| <i>Dermal</i>                |         |                       |
| LD50                         | Rabbit  | > 2000 mg/kg          |
| <i>Inhalation</i>            |         |                       |
| LC50                         | Rat     | 1310 mg/kg            |
| <i>Oral</i>                  |         |                       |
| LD50                         | Rat     | No Data in Literature |

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/eye irritation** Causes serious eye irritation.

#### Respiratory or skin sensitization

**Respiratory sensitization** This product is not expected to cause respiratory sensitization.

**Skin sensitizer** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

**Reproductive toxicity** This product is not expected to cause reproductive effects.

**Specific target organ toxicity - single exposure** Not classified as a specific target organ toxicity -single exposure.

**Specific target organ toxicity - repeated exposure** Not classified as a specific target organ toxicity -repeated exposure.

**Aspiration toxicity** Not expected to be an aspiration hazard.

## 12. Ecological information

**Ecotoxicity** Not expected to be harmful to aquatic organisms.

| Components                   | Species | Test Results                                              |
|------------------------------|---------|-----------------------------------------------------------|
| Nonoxynol-10 (CAS 9016-45-9) |         |                                                           |
| <b>Aquatic</b>               |         |                                                           |
| <i>Acute</i>                 |         |                                                           |
| Algae                        | EC50    | Green algae (Selenastrum capricornutum) 20 mg/l, 72 hours |
| Crustacea                    | EC50    | Water flea (Daphnia magna) 4.8 mg/l, 48 hours             |
| Fish                         | LC50    | Bluegill (Lepomis macrochirus) 0.13 mg/l, 96 hours        |
| <i>Chronic</i>               |         |                                                           |
| Algae                        | NOEC    | Green algae (Selenastrum capricornutum) 8 mg/l, 72 hours  |

**Persistence and degradability** Not available.

**Bioaccumulative potential** Not available.

**Mobility in soil** Not available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

|                                              |                                                                                                                                                                                                                  |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site.                                                                                                                             |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.                                                                                                                                                           |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.                                                                                                   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| <b>Contaminated packaging</b>                | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.       |

### 14. Transport information

|                                                                                 |                                   |
|---------------------------------------------------------------------------------|-----------------------------------|
| <b>DOT</b>                                                                      | Not regulated as dangerous goods. |
| <b>IATA</b>                                                                     | Not regulated as dangerous goods. |
| <b>IMDG</b>                                                                     | Not regulated as dangerous goods. |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not available.                    |

### 15. Regulatory information

|                                                                                                                         |                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>US federal regulations</b>                                                                                           | This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.      |
| <b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>                                                    | Not regulated.                                                                                                      |
| <b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>                                                                   | Not listed.                                                                                                         |
| <b>SARA 304 Emergency release notification</b>                                                                          | Not regulated.                                                                                                      |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>                                                   | Not listed.                                                                                                         |
| <b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>                                                      |                                                                                                                     |
| <b>Hazard categories</b>                                                                                                | Immediate Hazard - Yes<br>Delayed Hazard - No<br>Fire Hazard - No<br>Pressure Hazard - No<br>Reactivity Hazard - No |
| <b>SARA 302 Extremely hazardous substance</b>                                                                           | Not listed.                                                                                                         |
| <b>SARA 311/312 Hazardous chemical</b>                                                                                  | Yes                                                                                                                 |
| <b>SARA 313 (TRI reporting)</b>                                                                                         | Not regulated.                                                                                                      |
| <b>Other federal regulations</b>                                                                                        |                                                                                                                     |
| <b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b>                                             | Not regulated.                                                                                                      |
| <b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>                                 | Not regulated.                                                                                                      |
| <b>Safe Drinking Water Act (SDWA)</b>                                                                                   | Not regulated.                                                                                                      |
| <b>US state regulations</b>                                                                                             |                                                                                                                     |
| <b>US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)</b> | Not listed.                                                                                                         |

**US. Massachusetts RTK - Substance List**

Not regulated.

**US. New Jersey Worker and Community Right-to-Know Act**

Not listed.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

| Country(s) or region        | Inventory name                                                         | On inventory (yes/no)* |
|-----------------------------|------------------------------------------------------------------------|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | No                     |
| Canada                      | Domestic Substances List (DSL)                                         | No                     |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)                                          | No                     |
| New Zealand                 | New Zealand Inventory                                                  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | No                     |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

**Issue date** 01-30-2015

**Version #** 01

**Disclaimer** Prepared by: ICC The Compliance Center Inc. 1-888-442-9628  
http://www.thecompliancecenter.com

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**Bibliography**

ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices (2014)  
Canadian Centre for Occupational Health and Safety, CCOHS Web Databases, 2014  
(Chempendium, RTECs, HSDB, INCHEM)  
European Chemicals Bureau, Existing Chemicals Work Area, EINECS Information System, 2014.  
Material Safety Data Sheet from manufacturer.  
OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2014.

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** P.A.W.S.® Wipe  
**Other means of identification** Not available.  
**Recommended use** Not available.  
**Recommended restrictions** None known.  
**Manufacturer/Importer/Supplier/Distributor information**  
**Manufacturer**  
**Manufacturer:** Safetec of America, Inc.  
887 Kensington Avenue  
Buffalo, NY 14215  
**Company Telephone:** 1-716-895-1822  
**E-mail Address:** www.safetec.com  
**Emergency Telephone:** 1-800-255-3924  
**Supplier** Refer to Manufacturer

## 2. Hazard(s) identification

**Physical hazards** Flammable liquids Category 3  
**Health hazards** Serious eye damage/eye irritation Category 2A  
Specific target organ toxicity, single exposure Category 3 narcotic effects  
**Environmental hazards** This mixture does not meet the classification criteria according to OSHA HazCom 2012.  
**OSHA defined hazards** This mixture does not meet the classification criteria according to OSHA HazCom 2012.

### Label elements



**Signal word** Danger  
**Hazard statement** Flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.  
**Precautionary statement**  
**Prevention** Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.  
**Response** If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. If eye irritation persists: Get medical advice/attention. In case of fire: Use appropriate media for extinction.  
**Storage** Keep cool. Store in a well-ventilated place. Keep container tightly closed.  
**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.  
**Hazard(s) not otherwise classified (HNOC)** None known.  
**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name | Common name and synonyms | CAS number | %    |
|---------------|--------------------------|------------|------|
| Ethanol       | Alcohol<br>Ethyl Alcohol | 64-17-5    | 64.4 |

| Chemical name   | Common name and synonyms                                | CAS number | %      |
|-----------------|---------------------------------------------------------|------------|--------|
| Triethanolamine | 2,2',2''-Nitrilotriethanol<br>Tris(2-hydroxyethyl)amine | 102-71-6   | < 0.30 |

#### 4. First-aid measures

|                                                                               |                                                                                                                                                                             |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist.                         |
| <b>Skin contact</b>                                                           | Wash off with warm water and soap. Get medical attention if symptoms occur.                                                                                                 |
| <b>Eye contact</b>                                                            | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms persist. |
| <b>Ingestion</b>                                                              | If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting without advice from poison control center. Get medical attention.            |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Causes serious eye irritation. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May cause drowsiness or dizziness.           |
| <b>Indication of immediate medical attention and special treatment needed</b> | Treat symptomatically.                                                                                                                                                      |

#### 5. Fire-fighting measures

|                                                                      |                                                                                                                                                                                 |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Dry chemicals. Foam. Carbon dioxide (CO <sub>2</sub> ).                                                                                                                         |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                                                                                                          |
| <b>Specific hazards arising from the chemical</b>                    | The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. Thermal decomposition or combustion may liberate toxic gases or fumes. |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.                                                                                   |
| <b>Fire fighting equipment/instructions</b>                          | Cool containers exposed to heat with water spray and remove container, if no risk is involved.                                                                                  |
| <b>General fire hazards</b>                                          | Flammable liquid and vapor.                                                                                                                                                     |
| <b>Hazardous combustion products</b>                                 | Carbon oxides.                                                                                                                                                                  |

#### 6. Accidental release measures

|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.                                                             |
| <b>Methods and materials for containment and cleaning up</b>               | Absorb spill with vermiculite or other inert material, then place in a sealed container for chemical waste.<br><br>Large Spills: Flush with plenty of water. Prevent entry into waterways, sewer, basements or confined areas. Dike for later disposal.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. |
| <b>Environmental precautions</b>                                           | Avoid discharge into drains, water courses or onto the ground.                                                                                                                                                                                                                                                                                                                                |

#### 7. Handling and storage

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Eliminate all sources of ignition. Take precautionary measures against static discharges. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Wash thoroughly after handling. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Do not store around flammable or combustible materials. Store in tightly closed original container in a well-ventilated place. Keep cool. Store locked up.                                                                                                                                                                                                                                                                                                                                                      |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components            | Type | Value                              |
|-----------------------|------|------------------------------------|
| Ethanol (CAS 64-17-5) | PEL  | 1900 mg/m <sup>3</sup><br>1000 ppm |

#### US. ACGIH Threshold Limit Values

| Components                     | Type | Value               |
|--------------------------------|------|---------------------|
| Ethanol (CAS 64-17-5)          | STEL | 1000 ppm            |
| Triethanolamine (CAS 102-71-6) | TWA  | 5 mg/m <sup>3</sup> |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components            | Type | Value                              |
|-----------------------|------|------------------------------------|
| Ethanol (CAS 64-17-5) | TWA  | 1900 mg/m <sup>3</sup><br>1000 ppm |

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Explosion-proof general and local exhaust ventilation.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

#### Skin protection

**Hand protection** Chemical resistant gloves recommended.

#### Other

Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health or safety professional or manufacturer for specific information.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Contact health and safety professional or manufacturer for specific information.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

**Appearance** Towelette.

**Physical state** Liquid.

**Form** Towelette.

**Color** Colorless.

**Odor** Mild alcohol odor.

**Odor threshold** Not available.

**pH** 5 - 10

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not available.

**Flash point** 81.0 °F (27.2 °C) Open Cup

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not applicable.

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** 3.3 %

**Flammability limit - upper (%)** 19 %

**Explosive limit - lower (%)** Not available.

|                                                |                |
|------------------------------------------------|----------------|
| <b>Explosive limit - upper (%)</b>             | Not available. |
| <b>Vapor pressure</b>                          | Not available. |
| <b>Vapor density</b>                           | Not available. |
| <b>Relative density</b>                        | Not available. |
| <b>Solubility(ies)</b>                         |                |
| <b>Solubility (water)</b>                      | Moderate.      |
| <b>Partition coefficient (n-octanol/water)</b> | Not available. |
| <b>Auto-ignition temperature</b>               | Not available. |
| <b>Decomposition temperature</b>               | Not available. |
| <b>Viscosity</b>                               | Not available. |
| <b>Other information</b>                       |                |
| <b>Specific gravity</b>                        | 0.89           |

## 10. Stability and reactivity

|                                           |                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Stable at normal conditions.                                                                  |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.                                                      |
| <b>Conditions to avoid</b>                | Keep away from heat, sparks and open flame. High temperatures.                                |
| <b>Incompatible materials</b>             | Strong oxidizing agents. Acids.                                                               |
| <b>Hazardous decomposition products</b>   | Carbon oxides.                                                                                |

## 11. Toxicological information

### Information on likely routes of exposure

|                                                           |                                                                                                                                                                   |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                         | May cause drowsiness or dizziness.                                                                                                                                |
| <b>Skin contact</b>                                       | Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.                                                                   |
| <b>Eye contact</b>                                        | Causes serious eye irritation.                                                                                                                                    |
| <b>Ingestion</b>                                          | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.                                                                                   |
| <b>Most important symptoms/effects, acute and delayed</b> | Causes serious eye irritation. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May cause drowsiness or dizziness. |

### Information on toxicological effects

|                       |                                                                                 |
|-----------------------|---------------------------------------------------------------------------------|
| <b>Acute toxicity</b> | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
|-----------------------|---------------------------------------------------------------------------------|

| <b>Components</b>              | <b>Species</b> | <b>Test Results</b>                                        |
|--------------------------------|----------------|------------------------------------------------------------|
| Ethanol (CAS 64-17-5)          |                |                                                            |
| <b>Acute</b>                   |                |                                                            |
| <i>Dermal</i>                  |                |                                                            |
| LD50                           | Rabbit         | > 15800 mg/kg                                              |
| <i>Inhalation</i>              |                |                                                            |
| LC50                           | Rat            | > 32380 ppm, 4 hours (vapor)<br>> 61 mg/l, 4 hours (vapor) |
| <i>Oral</i>                    |                |                                                            |
| LD50                           | Rat            | 7060 mg/kg                                                 |
| Triethanolamine (CAS 102-71-6) |                |                                                            |
| <b>Acute</b>                   |                |                                                            |
| <i>Dermal</i>                  |                |                                                            |
| LD50                           | Rabbit         | > 19870 mg/kg                                              |
| <i>Inhalation</i>              |                |                                                            |
| LC50                           | Rat            | No data in literature                                      |



| Components                                                     | Species                                                                                                          | Test Results |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------|
| Oral<br>LD50                                                   | Rat                                                                                                              | 6110 mg/kg   |
| Skin corrosion/irritation                                      | Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.                  |              |
| Serious eye damage/eye irritation                              | Causes serious eye irritation.                                                                                   |              |
| Respiratory or skin sensitization                              |                                                                                                                  |              |
| Respiratory sensitization                                      | This product is not expected to cause respiratory sensitization.                                                 |              |
| Skin sensitizer                                                | This product is not expected to cause skin sensitization.                                                        |              |
| Germ cell mutagenicity                                         | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |              |
| Carcinogenicity                                                | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.                                  |              |
| IARC Monographs. Overall Evaluation of Carcinogenicity         |                                                                                                                  |              |
| Triethanolamine (CAS 102-71-6)                                 | 3 Not classifiable as to carcinogenicity to humans.                                                              |              |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) |                                                                                                                  |              |
| Not listed.                                                    |                                                                                                                  |              |
| Reproductive toxicity                                          | This product is not expected to cause reproductive effects.                                                      |              |
| Specific target organ toxicity - single exposure               | May cause drowsiness or dizziness.                                                                               |              |
| Specific target organ toxicity - repeated exposure             | Not classified as a specific target organ toxicity -repeated exposure.                                           |              |
| Aspiration toxicity                                            | Not expected to be an aspiration hazard.                                                                         |              |

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous.

| Components                                        | Species                                                                                                                                                                                 |                                         | Test Results          |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------|
| Ethanol (CAS 64-17-5)                             |                                                                                                                                                                                         |                                         |                       |
| Aquatic                                           |                                                                                                                                                                                         |                                         |                       |
| Acute                                             |                                                                                                                                                                                         |                                         |                       |
| Algae                                             | EC50                                                                                                                                                                                    | Green algae (Selenastrum capricornutum) | 1000 mg/l, 96 hours   |
| Crustacea                                         | EC50                                                                                                                                                                                    | Water flea (Daphnia magna)              | 5012 mg/l, 48 hours   |
| Fish                                              | LC50                                                                                                                                                                                    | Fathead minnow (Pimephales promelas)    | > 100 mg/l, 96 hours  |
| Triethanolamine (CAS 102-71-6)                    |                                                                                                                                                                                         |                                         |                       |
| Aquatic                                           |                                                                                                                                                                                         |                                         |                       |
| Acute                                             |                                                                                                                                                                                         |                                         |                       |
| Algae                                             | EC50                                                                                                                                                                                    | Green algae (Desmodesmus subspicatus)   | 512 mg/l, 72 hours    |
| Crustacea                                         | EC50                                                                                                                                                                                    | Water flea (Ceriodaphnia affinis)       | 609.88 mg/l, 48 hours |
| Fish                                              | LC50                                                                                                                                                                                    | Fathead minnow (Pimephales promelas)    | 11800 mg/l, 96 hours  |
| Chronic                                           |                                                                                                                                                                                         |                                         |                       |
| Crustacea                                         | NOEC                                                                                                                                                                                    | Water flea (Daphnia magna)              | 16 mg/l, 21 days      |
| Persistence and degradability                     | Not available.                                                                                                                                                                          |                                         |                       |
| Bioaccumulative potential                         | Not available.                                                                                                                                                                          |                                         |                       |
| Partition coefficient n-octanol / water (log Kow) |                                                                                                                                                                                         |                                         |                       |
| Ethanol                                           | -0.31                                                                                                                                                                                   |                                         |                       |
| Triethanolamine                                   | -1                                                                                                                                                                                      |                                         |                       |
| Mobility in soil                                  | Not available.                                                                                                                                                                          |                                         |                       |
| Other adverse effects                             | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |                                         |                       |

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

|                                              |                                                                                                                                                                                                                  |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.                                                                                                                                                           |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.                                                                                                   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| <b>Contaminated packaging</b>                | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.       |

## 14. Transport information

### DOT

|                                     |                                         |
|-------------------------------------|-----------------------------------------|
| <b>UN number</b>                    | UN1170                                  |
| <b>UN proper shipping name</b>      | Ethanol solution (Ethanol RQ = 155 LBS) |
| <b>Transport hazard class(es)</b>   |                                         |
| <b>Class</b>                        | 3                                       |
| <b>Subsidiary risk</b>              | -                                       |
| <b>Label(s)</b>                     | 3                                       |
| <b>Packing group</b>                | III                                     |
| <b>Special precautions for user</b> | Not available.                          |
| <b>Special provisions</b>           | 24, B1, IB3, T2, TP1                    |
| <b>Packaging exceptions</b>         | 4b, 150                                 |
| <b>Packaging non bulk</b>           | 203                                     |
| <b>Packaging bulk</b>               | 242                                     |

### IATA

|                                     |                            |
|-------------------------------------|----------------------------|
| <b>UN number</b>                    | UN1170                     |
| <b>UN proper shipping name</b>      | Ethanol Solution (Ethanol) |
| <b>Transport hazard class(es)</b>   |                            |
| <b>Class</b>                        | 3                          |
| <b>Subsidiary risk</b>              | -                          |
| <b>Packing group</b>                | III                        |
| <b>Environmental hazards</b>        | No.                        |
| <b>ERG Code</b>                     | 3L                         |
| <b>Special precautions for user</b> | Not available.             |
| <b>Other information</b>            |                            |
| <b>Passenger and cargo aircraft</b> | Allowed.                   |
| <b>Cargo aircraft only</b>          | Allowed.                   |

### IMDG

|                                                                                 |                            |
|---------------------------------------------------------------------------------|----------------------------|
| <b>UN number</b>                                                                | UN1170                     |
| <b>UN proper shipping name</b>                                                  | Ethanol Solution (Ethanol) |
| <b>Transport hazard class(es)</b>                                               |                            |
| <b>Class</b>                                                                    | 3                          |
| <b>Subsidiary risk</b>                                                          | -                          |
| <b>Packing group</b>                                                            | III                        |
| <b>Environmental hazards</b>                                                    |                            |
| <b>Marine pollutant</b>                                                         | No.                        |
| <b>EmS</b>                                                                      | F-E, S-D                   |
| <b>Special precautions for user</b>                                             | Not available.             |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not available.             |

DOT



IATA; IMDG



## 15. Regulatory information

### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Ethanol (CAS 64-17-5)

Listed.

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories

Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Not listed.

#### SARA 311/312 Hazardous chemical

Yes

#### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

#### Safe Drinking Water Act (SDWA)

Not regulated.

### US state regulations

#### US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

#### US. Massachusetts RTK - Substance List

Ethanol (CAS 64-17-5)

Triethanolamine (CAS 102-71-6)

**US. New Jersey Worker and Community Right-to-Know Act**

Ethanol (CAS 64-17-5)

Triethanolamine (CAS 102-71-6)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Ethanol (CAS 64-17-5)

Triethanolamine (CAS 102-71-6)

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Ethanol (CAS 64-17-5)

Listed: April 29, 2011

Listed: July 1, 1988

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**

Ethanol (CAS 64-17-5)

Listed: October 1, 1987

**International Inventories**

| Country(s) or region        | Inventory name                                                         | On inventory (yes/no)* |
|-----------------------------|------------------------------------------------------------------------|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | No                     |
| Canada                      | Domestic Substances List (DSL)                                         | No                     |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | No                     |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)                                          | No                     |
| New Zealand                 | New Zealand Inventory                                                  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | No                     |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision****Issue date** 02-23-2015**Version #** 01**Disclaimer** Prepared by: ICC The Compliance Center Inc. 1-888-442-9628  
<http://www.thecompliancecenter.com>**Disclaimer**

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**Revision Information**Composition / Information on Ingredients: Disclosure Overrides  
Physical & Chemical Properties: Multiple Properties**Bibliography**ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices (2014)  
Canadian Centre for Occupational Health and Safety, CCIInfoWeb Databases, 2014  
(Chempendium, RTECs, HSDB, INCHEM)  
European Chemicals Bureau, Existing Chemicals Work Area, EINECS Information System, 2014.  
Material Safety Data Sheet from manufacturer.  
OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2014.