

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 12/07/2015

Reviewed on 12/07/2015

*** 1 Identification**

- **Product Identifier**
- **Trade name: StarSurf WFF**
- **Relevant identified uses of the substance or mixture and uses advised against:**
No further relevant information
- **Product Description** Wetting Agent
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
StarChem, LLC 10150
Greenville Highway
Wellford, SC 29385
USA
Phone: 866-377-5269
www.StarChemGlobal.com
- **Emergency telephone number:** Chemtrec -- 800-424-9300

*** 2 Hazard(s) Identification**

- **Classification of the substance or mixture:**



GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS09 Environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
 STOT SE 3 H335 May cause respiratory irritation.

Flam. Liq. 4 H227 Combustible liquid.
 Aquatic Acute 2 H401 Toxic to aquatic life.

- **Label elements:**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**



GHS05



GHS07



GHS09

- **Signal word:** Danger
- **Hazard-determining components of labeling:**
Tridecyl alcohol ethoxylate
Polyoxyethylene tridecyl ether phosphate

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Trade name: StarSurf WFF

Nonylphenoxypoly(ethyleneoxy)ethanol
Isopropyl alcohol

Hazard statements:

Combustible liquid.
Causes skin irritation.
Causes serious eye damage.
May cause respiratory irritation.
Toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

Precautionary statements:

Keep away from flames and hot surfaces. – No smoking.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Wear protective gloves / eye protection / face protection.
Wear protective gloves.
Wear eye protection / face protection.
Avoid release to the environment.
Wash thoroughly after handling.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER/doctor if you feel unwell.
If skin irritation occurs: Get medical advice/attention.
In case of fire: Use for extinction: CO2, powder or water spray.
IF ON SKIN: Wash with plenty of water.
Collect spillage.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Unknown acute toxicity:

17.8 % of the mixture consists of component(s) of unknown toxicity.

Classification system:

NFPA ratings (scale 0 - 4)



HMIS-ratings (scale 0 - 4)



Hazard(s) not otherwise classified (HNOC): None known

*** 3 Composition/Information on Ingredients**

Non-hazardous components:

7732-18-5	Water, distilled water, deionized water	35-45%
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- **Chemical characterization: Mixtures**
- **Description:** Mixture: consisting of the following components.

Dangerous Components:

CAS: 24938-91-8	Tridecyl alcohol ethoxylate ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; STOT SE 3, H335	15-20%
CAS: 9016-45-9	Nonylphenoxypoly(ethyleneoxy)ethanol ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320	15-20%
CAS: 107-41-5 RTECS: SA 0810000	Hexylene Glycol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Flam. Liq. 4, H227	5-10%
CAS: 104-76-7 RTECS: MP 0350000	2-ethylhexan-1-ol ⚠ Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Flam. Liq. 4, H227	2-5%
CAS: 9046-01-9	Polyoxyethylene tridecyl ether phosphate ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Aquatic Acute 2, H401	2-5%
CAS: 68186-36-7	Tridecyl alcoholethoxylate phosphate, salt ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319	2-5%
CAS: 67-63-0 RTECS: NT 8050000	Isopropyl alcohol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	2-5%
CAS: 68186-36-7	Tridecyl alcoholethoxylate phosphate, salt ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319	2-5%
CAS: 9046-01-9	Polyoxyethylene tridecyl ether phosphate ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Aquatic Acute 2, H401	2-5%
CAS: 68550-93-6	Phosphoric acid, 2-ethylhexyl ester, potassium salt Flam. Liq. 4, H227	<1.5%

* 4 First-Aid Measures

- **Description of first aid measures:**
- **General information:**
Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash skin with soap and plenty of water for at least 15 minutes.
Remove contaminated clothing and wash before reuse.
Get medical attention if symptoms occur.
- **After eye contact:**
Hold eyelids apart and flush eyes with plenty of water for at least 20 minutes.
Seek medical treatment.
- **After swallowing:**
If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

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Trade name: StarSurf WFF*** 5 Fire-Fighting Measures**

- **Extinguishing media:**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture:**
Combustible Liquid. Vapors or mist may be a fire and explosion hazards when exposed to high temperature or ignition. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition. Vapors are heavier than air and may travel a considerable distance to a source of ignition and flashback. Vapors or fumes may form explosive mixture with air.
- **Advice for firefighters:**
- **Protective equipment:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.
- **Additional information:** Use cold water spray to cool fire-exposed containers to minimize risk of rupture.

*** 6 Accidental Release Measures**

- **Personal precautions, protective equipment and emergency procedures:** Ensure adequate ventilation.
- **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Remove all sources of ignition.
Ensure adequate ventilation.
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

*** 7 Handling and Storage**

- **Handling**
- **Precautions for safe handling:**
Keep away from heat, sparks and open flames. Ground and bond containers and equipment before transferring to avoid static sparks. Avoid inhalation of vapour or mist. Avoid contact with eyes. Avoid contact with skin or clothing. Use only with adequate ventilation/personal protection. Wash thoroughly after handling.
- **Information about protection against explosions and fires:**
Protect from heat.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities:**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Keep container closed when not in use. Stir before using.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** No further relevant information available..
- **Specific end use(s):** No further relevant information available.

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*** 8 Exposure Controls/Personal Protection**

- **Additional information about design of technical systems:** No further data; see section 7.

- **Control parameters:**

- **Components with occupational exposure limits:**

9016-45-9 Nonylphenoxypoly(ethyleneoxy)ethanol	
PEL	Short-term value: 1 mg/m ³ , 0.1 ppm
REL	Short-term value: 1 mg/m ³
107-41-5 Hexylene Glycol	
REL	Ceiling limit value: 125 mg/m ³ , 25 ppm
TLV	Ceiling limit value: 121 mg/m ³ , 25 ppm
67-63-0 Isopropyl alcohol	
PEL	Long-term value: 980 mg/m ³ , 400 ppm
REL	Short-term value: 1225 mg/m ³ , 500 ppm Long-term value: 980 mg/m ³ , 400 ppm
TLV	Short-term value: 984 mg/m ³ , 400 ppm Long-term value: 492 mg/m ³ , 200 ppm BEI
· Ingredients with biological limit values:	
67-63-0 Isopropyl alcohol	
BEI	40 mg/L urine end of shift at end of workweek Acetone (background, nonspecific)

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

- **Exposure controls:**

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Where acceptable concentrations cannot be maintained by general mechanical ventilation, local exhaust ventilation is recommended.

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing and wash before reuse.
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.

- **Breathing equipment:**



Suitable respiratory protective device recommended.

The use of a positive pressure supplied air respirator is mandatory when: airborne concentrations are not known; airborne solvent levels are 10 times the appropriate TLV; spraying is performed in a confined space or area with limited ventilation.

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· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Penetration time of glove material:**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:**



Tightly sealed goggles

· **Body protection:**



Protective work clothing

* 9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Liquid

Color: Clear

· **Odor:** Slight

· **Odor threshold:** Not determined.

· **Change in condition**

Melting point/Melting range: Not determined.

Boiling point/Boiling range: >100 °C (>212 °F)

· **Flash point:** 66 °C (151 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:**

Decomposition temperature: Not determined.

· **Auto igniting:** Product is not self-igniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

· **Vapor pressure:** Not determined.

· **Density:**

Relative density @ 20 °C (68 °F): 1.0

Vapor density: Not determined.

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- Evaporation rate:** <1
- **Solubility in / Miscibility with:**
 - Water:** Soluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- **Solvent content:**
 - Organic solvents:** 8.1 %
 - Water:** 40.7 %
 - VOC content:** 8.1 %
- **Other information:** No further relevant information available.

*** 10 Stability and Reactivity**

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** Carbon oxides, other potentially toxic fumes
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Heat, flames and sparks.
- **Incompatible materials:** Acids, Bases, Oxidizing agents
- **Hazardous decomposition products:** No dangerous decomposition products known.

*** 11 Toxicological Information**

- **Information on toxicological effects:**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
24938-91-8 Tridecyl alcohol ethoxylate		
Oral	LD50	2,000-5,000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
107-41-5 Hexylene Glycol		
Oral	LD50	3700 mg/kg (rat)
Dermal	LD50	8560 mg/kg (rabbit)
104-76-7 2-ethylhexan-1-ol		
Oral	LD50	2049 mg/kg (rat)
Dermal	LD50	1970 mg/kg (rabbit)
9046-01-9 Polyoxyethylene tridecyl ether phosphate		
Oral	LD50	>2000 mg/kg (rat)
67-63-0 Isopropyl alcohol		
Oral	LD50	5045 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (rat)
	LC50/96 hours	9640 mg/l (Pimephales)

- **Primary irritant effect:**
- **On the skin:** Irritant to skin and mucous membranes.

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· **On the eye:**

Strong irritant with the danger of severe eye injury.

Causes serious eye irritation.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

· **Carcinogenic categories:**

· **IARC (International Agency for Research on Cancer):**

67-63-0 Isopropyl alcohol

3

· **NTP (National Toxicology Program):**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

*** 12 Ecological Information**

· **Toxicity:**

· **Aquatic toxicity:**

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

9016-45-9 Nonylphenoxypoly(ethyleneoxy)ethanol

EC50 12 mg/l (Algae - Selenastrum capricornutum) (96 HOURS)

0.148 mg/l (daphnia) (48 hours)

67-63-0 Isopropyl alcohol

EC50 6851 mg/l (Green algae)

5102 mg/l (Water flea)

· **Persistence and degradability:**

Ecological Data for Nonylphenol Ethoxylate

Biodegradation

aerobic, 98 %, Exposure time: 30 Days

Biological Oxygen Demand (BOD)

5 Days, approximately 7 mg/g

28 Days, approximately 75 mg/g

Chemical Oxygen Demand (COD)

approximately 252 mg/g

Theoretical Biological Oxygen Demand (ThBOD)

approximately 117 mg/g

Ecological Data for Hexylene Glycol

Biodegradation

> 70 %, Exposure time: 28 Days

Biological Oxygen Demand (BOD)

20 mg/g

Chemical Oxygen Demand (COD)

2,200 mg/g

Theoretical Biological Oxygen Demand (ThBOD)

0.009 mg/g

Ecological Data for Aliphatic alcohol

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Trade name: StarSurf WFF

Biodegradation

Aerobic, 100 %, Exposure time: 5 Days

Inherently biodegradable.

Aerobic, 68 %, Exposure time: 17 Days

Biological Oxygen Demand (BOD)

5 Days, 26 %

20 Days, 86 %

· **Behavior in environmental systems:**

· **Bioaccumulative potential:** No further relevant information available.

· **Mobility in soil:** No further relevant information available.

· **Ecotoxicological effects:**

· **Remark:** Toxic for fish

· **Additional ecological information:**

· **General notes:**

Water hazard class 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

· **Results of PBT and vPvB assessment:**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects:** No further relevant information available.

* 13 Disposal Considerations

· **Waste treatment methods:**

· **Recommendation:**

Observe all federal, state and local environmental regulations when disposing of this material.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

* 14 Transport Information

· **UN-Number:**

· **DOT**

NA1993

· **ADR, ADN, IMDG, IATA**

Non-Regulated Material

· **UN proper shipping name:**

· **DOT**

COMBUSTIBLE LIQUID, N.O.S (Isopropanol)

· **ADR, ADN, IMDG, IATA**

Non-Regulated Material

· **Transport hazard class(es):**

· **DOT**



· **Class:**

3 Combustible liquids

· **Label:**

3

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Trade name: StarSurf WFF

- **ADR, ADN, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT** III
- **ADR, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

*** 15 Regulatory Information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

<ul style="list-style-type: none"> · Section 355 (extremely hazardous substances):
None of the ingredients are listed.

<ul style="list-style-type: none"> · Section 313 (Specific toxic chemical listings):
67-63-0 Isopropyl alcohol

<ul style="list-style-type: none"> · TSCA (Toxic Substances Control Act):
All ingredients are listed.

· **California Proposition 65:**

<ul style="list-style-type: none"> · Chemicals known to cause cancer:
None of the ingredients are listed.

<ul style="list-style-type: none"> · Chemicals known to cause reproductive toxicity for females:
None of the ingredients are listed.

<ul style="list-style-type: none"> · Chemicals known to cause reproductive toxicity for males:
None of the ingredients are listed.

<ul style="list-style-type: none"> · Chemicals known to cause developmental toxicity:
None of the ingredients are listed.

- **Carcinogenic categories:**

<ul style="list-style-type: none"> · EPA (Environmental Protection Agency):
None of the ingredients are listed.

<ul style="list-style-type: none"> · TLV (Threshold Limit Value established by ACGIH):
67-63-0 Isopropyl alcohol
A4

<ul style="list-style-type: none"> · NIOSH-Ca (National Institute for Occupational Safety and Health):
None of the ingredients are listed.

- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



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· **Signal word:** Danger

· **Hazard-determining components of labeling:**

Tridecyl alcohol ethoxylate
 Polyoxyethylene tridecyl ether phosphate
 Nonylphenoxypoly(ethyleneoxy)ethanol
 Isopropyl alcohol

· **Hazard statements:**

Combustible liquid.
 Causes skin irritation.
 Causes serious eye damage.
 May cause respiratory irritation.
 Toxic to aquatic life.
 Toxic to aquatic life with long lasting effects.

· **Precautionary statements:**

Keep away from flames and hot surfaces. – No smoking.
 Avoid breathing dust/fume/gas/mist/vapors/spray.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves / eye protection / face protection.
 Wear protective gloves.
 Wear eye protection / face protection.
 Avoid release to the environment.
 Wash thoroughly after handling.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Immediately call a POISON CENTER/doctor.
 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 Call a POISON CENTER/doctor if you feel unwell.
 If skin irritation occurs: Get medical advice/attention.
 In case of fire: Use for extinction: CO₂, powder or water spray.
 IF ON SKIN: Wash with plenty of water.
 Collect spillage.
 Take off contaminated clothing and wash it before reuse.
 Store locked up.
 Store in a well-ventilated place. Keep container tightly closed.
 Store in a well-ventilated place. Keep cool.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

· **State Right to Know:**

CAS: 7732-18-5	Water, distilled water, deionized water	25-50%
CAS: 24938-91-8	Tridecyl alcohol ethoxylate ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; STOT SE 3, H335	15-35%
CAS: 9016-45-9	Nonylphenoxypoly(ethyleneoxy)ethanol ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320	15-35%

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Trade name: StarSurf WFF

CAS: 107-41-5 RTECS: SA 0810000	Hexylene Glycol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Flam. Liq. 4, H227	5-10%
CAS: 104-76-7 RTECS: MP 0350000	2-ethylhexan-1-ol ⚠ Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Flam. Liq. 4, H227	2-12%
CAS: 9046-01-9	Polyoxyethylene tridecyl ether phosphate ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; ⚠ Aquatic Acute 2, H401	2-12%
All ingredients are listed.		

• **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

• **Date of preparation / last revision:** 12/07/2015 / 4

• **Abbreviations and acronyms:**

- ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety & Health
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- BEI: Biological Exposure Limit
- Flam. Liq. 2: Flammable liquids, Hazard Category 2
- Flam. Liq. 4: Flammable liquids, Hazard Category 4
- Acute Tox. 4: Acute toxicity, Hazard Category 4
- Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
- Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
- Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
- Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B
- STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
- Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1
- Aquatic Acute 2: Hazardous to the aquatic environment - AcuteHazard, Category 2
- Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

• *** Data compared to the previous version altered.**

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