

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 04/19/2016

Revision: 04/19/2016

1 Identification

- **Product identifier**
- **Trade name:** Touch 'n Foam No-Warp (Window & Door)
- **Product code:** EHS 9890
- **Recommended use and restriction on use**
- **Recommended use:** Sealant
- **Restrictions on use:** See Sections 8 and 10 for further information.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
Convenience Products, Foam Products Division
866 Horan Drive
Fenton, MO 63026-2614
Phone: 636-349-5855
Toll-Free: 1-800-325-6180
- **Emergency telephone number:**
ChemTel Inc.
+1 (800)255-3924, +1 (813)248-0585



2 Hazard(s) identification

- **Classification of the substance or mixture**

Flam. Aerosol 1	H222	Extremely flammable aerosol.
Press. Gas	H280	Contains gas under pressure; may explode if heated.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2A	H319	Causes serious eye irritation.
Resp. Sens. 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens. 1	H317	May cause an allergic skin reaction.
STOT SE 3	H335	May cause respiratory irritation.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.

- **Label elements**

- **GHS label elements**

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

- **Hazard pictograms:**



GHS02 GHS04 GHS07 GHS08

- **Signal word:** Danger

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

Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, methyloxirane and 1,2-propanediol
4,4'-methylenediphenyl diisocyanate
diphenylmethanediisocyanate, isomeres and homologues

(Cont'd. on page 2)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 04/19/2016

Revision: 04/19/2016

Trade name: Touch 'n Foam No-Warp (Window & Door)

(Cont'd. of page 1)

· **Hazard statements:**

- H222 Extremely flammable aerosol.
- H280 Contains gas under pressure; may explode if heated.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H317 May cause an allergic skin reaction.
- H335 May cause respiratory irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.

· **Precautionary statements:**

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P251 Pressurized container: Do not pierce or burn, even after use.
- P260 Do not breathe mist/vapors/spray.
- P284 [In case of inadequate ventilation] wear respiratory protection.
- P211 Do not spray on an open flame or other ignition source.
- P264 Wash thoroughly after handling.
- P280 Wear protective gloves and eye protection.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
- P304+P341 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P314 Get medical advice/attention if you feel unwell.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P405 Store locked up.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards**

- There are no other hazards not otherwise classified that have been identified.
- 0 % of the mixture consists of component(s) of unknown toxicity.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Components:**

(Cont'd. on page 3)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 04/19/2016

Revision: 04/19/2016

Trade name: **Touch 'n Foam No-Warp (Window & Door)**

		(Cont'd. of page 2)
67815-87-6	Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, methyloxirane and 1,2-propanediol ⚠ Resp. Sens. 1, H334 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	60-80%
101-68-8	4,4'-methylenediphenyl diisocyanate ⚠ Resp. Sens. 1, H334; STOT RE 2, H373 ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	≤10%
9016-87-9	diphenylmethanediisocyanate, isomers and homologues ⚠ Resp. Sens. 1, H334; STOT RE 2, H373 ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	≤10%
75-28-5	isobutane ⚠ Flam. Gas 1, H220 ⚠ Press. Gas, H280	5-<10%
74-98-6	propane ⚠ Flam. Gas 1, H220 ⚠ Press. Gas, H280	3-<10%
115-10-6	dimethyl ether ⚠ Flam. Gas 1, H220 ⚠ Press. Gas, H280	1-5%

• **Additional information:**

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.
 For the wording of the listed Hazard Statements refer to section 16.

4 First-aid measures

• **Description of first aid measures**

• **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Take affected persons out into the fresh air.

• **After inhalation:**

Supply fresh air.

Provide oxygen treatment if affected person has difficulty breathing.

If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

In case of unconsciousness place patient stably in side position for transportation.

• **After skin contact:**

Do not pull solidified product away from the skin.

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

• **After eye contact:**

Immediately remove contact lenses if possible.

Rinse opened eye for several minutes under running water. Then consult a doctor.

• **After swallowing:**

Unlikely route of exposure.

(Cont'd. on page 4)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 04/19/2016

Revision: 04/19/2016

Trade name: Touch 'n Foam No-Warp (Window & Door)

(Cont'd. of page 3)

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

• **Most important symptoms and effects, both acute and delayed:**

Asthma attacks

Headache

Nausea

Breathing difficulty

Dizziness

Coughing

Allergic reactions

Irritant to skin and mucous membranes.

Irritant to eyes.

Gastric or intestinal disorders when ingested.

May cause respiratory irritation.

Disorientation

• **Danger:**

Danger of disturbed cardiac rhythm.

Danger of pneumonia.

Danger of impaired breathing.

• **Indication of any immediate medical attention and special treatment needed:**

Monitor circulation.

Contains isocyanates. May produce an allergic reaction.

Severe allergic skin reaction, bronchial spasms and anaphylactic shock are possible.

Medical supervision for at least 48 hours.

If necessary oxygen respiration treatment.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

Contains isocyanates. May produce an allergic reaction.

Contains diphenylmethanediisocyanate, isomers and homologues, 4,4'-methylenediphenyl diisocyanate.

May produce an allergic reaction.

In cases of irritation to the lungs, initial treatment with cortical steroid inhalants.

5 Fire-fighting measures

• **Extinguishing media**

• **Suitable extinguishing agents:** Water in flooding quantities.

• **For safety reasons unsuitable extinguishing agents:** None.

• **Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

Danger of receptacles bursting because of high vapor pressure if heated.

• **Advice for firefighters**

• **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

• **Additional information:**

Eliminate all ignition sources if safe to do so.

Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

(Cont'd. on page 5)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 04/19/2016

Revision: 04/19/2016

Trade name: Touch 'n Foam No-Warp (Window & Door)

Cool endangered containers with water fog.

(Cont'd. of page 4)

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
 - Use respiratory protective device against the effects of fumes/dust/aerosol.
 - Keep people at a distance and stay upwind.
 - Wear protective equipment. Keep unprotected persons away.
 - Ensure adequate ventilation.
 - Keep away from ignition sources.
 - Protect from heat.
 - Isolate area and prevent access.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
 - Allow to solidify. Pick up mechanically.
 - Dispose contaminated material as waste according to item 13.
 - Ensure adequate ventilation.
 - Send for recovery or disposal in suitable receptacles.
- **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 and direct sunlight.
 - Open and handle receptacle with care.
 - Use only in well ventilated areas.
- **Information about protection against explosions and fires:**
 - Do not spray on a naked flame or any incandescent material.
 - Keep ignition sources away - Do not smoke.
 - Protect against electrostatic charges.
 - Keep respiratory protective device available.
 - Pressurized container: protect from sunlight and do not expose to temperatures exceeding 120 °F / 49 °C, i.e. electric lights. Do not pierce or burn, even after use.
 - Emergency cooling must be available in case of nearby fire.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
 - Store in a cool location.
 - Observe official regulations on storing packagings with pressurized containers.
 - Provide ventilation for receptacles.
 - Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.

(Cont'd. on page 6)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 04/19/2016

Revision: 04/19/2016

Trade name: Touch 'n Foam No-Warp (Window & Door)

(Cont'd. of page 5)

Store away from oxidizing agents.

· **Further information about storage conditions:**

Protect from heat and direct sunlight.

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

Protect from sunlight.

Do not expose to temperatures exceeding 50 °C/122°F.

· **Specific end use(s):** No relevant information available.

8 Exposure controls/personal protection

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

101-68-8 4,4'-methylenediphenyl diisocyanate

PEL (USA)	Ceiling limit value: 0.2 mg/m ³ , 0.02 ppm
REL (USA)	Long-term value: 0.05 mg/m ³ , 0.005 ppm Ceiling limit value: 0.2* mg/m ³ , 0.02* ppm *10-min
TLV (USA)	Long-term value: 0.051 mg/m ³ , 0.005 ppm
EL (Canada)	Long-term value: 0.005 ppm Ceiling limit value: 0.01 ppm Skin; S
EV (Canada)	Long-term value: 0.005 ppm Ceiling limit value: 0.02 ppm
LMPE (Mexico)	Long-term value: 0.005 ppm

75-28-5 isobutane

TLV (USA)	Short-term value: 2370 mg/m ³ , 1000 ppm
EV (Canada)	Long-term value: 800 ppm
LMPE (Mexico)	Long-term value: 1000 ppm

74-98-6 propane

PEL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
TLV (USA)	refer to Appendix F in TLVs and BEIs book
EL (Canada)	Long-term value: 1000 ppm
EV (Canada)	Long-term value: 1000 ppm
LMPE (Mexico)	Long-term value: 1000 ppm

115-10-6 dimethyl ether

WEEL (USA)	Long-term value: 1000 ppm
EL (Canada)	Long-term value: 1000 ppm

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

(Cont'd. on page 7)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 04/19/2016

Revision: 04/19/2016

Trade name: Touch 'n Foam No-Warp (Window & Door)

(Cont'd. of page 6)

Clean skin thoroughly immediately after handling the product.
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing.
 Wash hands before breaks and at the end of work.
 Do not inhale gases / fumes / aerosols.
 Avoid contact with the eyes and skin.

- **Engineering controls:** No relevant information available.
- **Breathing equipment:**



Combined Organic Vapor and Particulate Respirator is recommended for use during all processing activities.

- **Protection of hands:**



Protective gloves

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

- **Eye protection:**
Contact lenses should not be worn.



Tightly sealed goggles

- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment**
Avoid release to the environment.
- **Risk management measures** See Section 7 for additional information.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· Appearance:

Form: Aerosol
Color: White colored

· **Odor:** Light
 · **Odor threshold:** Not determined.

· **pH-value:** Not determined.
 · **Melting point/Melting range:** Not applicable, as aerosol.
 · **Boiling point/Boiling range:** -42 °C (-44 °F) (propellant)

· **Flash point:** -104 °C (-155 °F) (propellant)
 Extremely flammable aerosol.

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

· **Auto-ignition temperature:** 400 °C (752 °F)

(Cont'd. on page 8)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 04/19/2016

Revision: 04/19/2016

Trade name: Touch 'n Foam No-Warp (Window & Door)

(Cont'd. of page 7)

· 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: Upper:	Not determined. Not determined.
· Vapor pressure:	Not determined.
· Density at 20 °C (68 °F):	1.01 g/cm ³ (8.428 lbs/gal)
· Relative density:	Not determined.
· Vapor density:	Not determined.
· Evaporation rate:	Not applicable.
· Solubility in / Miscibility with Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity Dynamic: Kinematic: VOC (California):	Not determined. Not determined. 172.4 g/L (EPA Method 24)
· Other information	No relevant information available.

10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:**
Danger of receptacles bursting because of high vapor pressure if heated.
- **Possibility of hazardous reactions:**
Danger of receptacles bursting because of high vapor pressure if heated.
Develops readily flammable gases / fumes.
Flammable.
Toxic fumes may be released if heated above the decomposition point.
Reacts with oxidizing agents.
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.
Extremely flammable aerosol.
- **Conditions to avoid:**
Keep ignition sources away - Do not smoke.
Store away from oxidizing agents.
- **Incompatible materials:** No relevant information available.
- **Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)

(Cont'd. on page 9)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 04/19/2016

Revision: 04/19/2016

Trade name: Touch 'n Foam No-Warp (Window & Door)

(Cont'd. of page 8)

Phosphorus oxides (e.g. P₂O₅)
 Chlorine
 Nitrogen oxides
 Hydrogen cyanide (prussic acid)
 Isocyanate
 Chlorine compounds

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

101-68-8 4,4'-methylenediphenyl diisocyanate

Oral | LD50 | 2200 mg/kg (mouse)

- **Primary irritant effect:**

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

- **On the eye:** Irritating effect.

- **Sensitization:** May cause sensitisation by inhalation and skin contact.

- **Subacute to chronic toxicity:**

Inhalation of concentrated vapors as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

May cause damage to organs through prolonged or repeated exposure.

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

9016-87-9 | diphenylmethanediisocyanate, isomers and homologues

101-68-8 | 4,4'-methylenediphenyl diisocyanate

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

None of the ingredients are listed.

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

None of the ingredients are listed.

- **Probable route(s) of exposure:**

Inhalation.

Eye contact.

Skin contact.

- **Acute effects (acute toxicity, irritation and corrosivity):**

May cause sensitisation by inhalation and skin contact.

Irritating to eyes.

Irritating to skin.

- **Repeated dose toxicity:** Repeated exposures may result in skin and/or respiratory sensitivity.

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

- **Carcinogenicity:** Cancerous lesions have been reported in persons exposed to arc rays.

- **Reproductive toxicity:** Based on available data, the classification criteria are not met.

- **STOT-single exposure:** May cause respiratory irritation.

- **STOT-repeated exposure:** May cause damage to organs through prolonged or repeated exposure.

(Cont'd. on page 10)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 04/19/2016

Revision: 04/19/2016

Trade name: Touch 'n Foam No-Warp (Window & Door)

(Cont'd. of page 9)

- **Aspiration hazard:** Based on available data, the classification criteria are not met.


12 Ecological information

- **Toxicity**
- **Aquatic toxicity** No relevant information available.
- **Persistence and degradability** No relevant information available.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Additional ecological information**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. Must not be disposed of together with household garbage. Do not allow product to reach sewage system. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT, ADR, IMDG, IATA** UN1950
- **UN proper shipping name**
- 
Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 1 L (0.3 gal).
- **DOT** Aerosols
- **ADR** 1950 AEROSOLS

(Cont'd. on page 11)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 04/19/2016

Revision: 04/19/2016

Trade name: Touch 'n Foam No-Warp (Window & Door)

(Cont'd. of page 10)

· IMDG AEROSOLS
· IATA Aerosols, flammable

· Transport hazard class(es)

· DOT



· Class 2.1
· Label 2.1

· ADR



· Class 2 5F Gases
· Label 2.1

· IMDG, IATA



· Class 2.1
· Label 2.1

· Packing group

This UN-number is not assigned a packing group.
Aerosols are not assigned a packing group.

· DOT, ADR, IMDG, IATA

Not regulated.

· Environmental hazards

Not applicable.

· Special precautions for user

Warning: Gases

· Danger code (Kemler):

-

· EMS Number:

F-D,S-U

· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

(Cont'd. on page 12)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 04/19/2016

Revision: 04/19/2016

Trade name: Touch 'n Foam No-Warp (Window & Door)

(Cont'd. of page 11)

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA

· Section 355 (extremely hazardous substances):

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

101-68-8 | 4,4'-methylenediphenyl diisocyanate

9016-87-9 | diphenylmethanediisocyanate, isomeres and homologues

· TSCA (Toxic Substances Control Act)

All ingredients are listed.

· Proposition 65 (California)

· Chemicals known to cause cancer:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency):

101-68-8 | 4,4'-methylenediphenyl diisocyanate

D, CBD

9016-87-9 | diphenylmethanediisocyanate, isomeres and homologues

CBD

· IARC (International Agency for Research on Cancer):

101-68-8 | 4,4'-methylenediphenyl diisocyanate

3

9016-87-9 | diphenylmethanediisocyanate, isomeres and homologues

3

· NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

· Canada

· Canadian substance listings

· Canadian Domestic Substances List (DSL):

All ingredients are listed.

· Canadian Ingredient Disclosure list (limit 0.1%):

101-68-8 | 4,4'-methylenediphenyl diisocyanate

· Canadian Ingredient Disclosure list (limit 1%):

None of the ingredients are listed.

(Cont'd. on page 13)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 04/19/2016

Revision: 04/19/2016

Trade name: Touch 'n Foam No-Warp (Window & Door)

(Cont'd. of page 12)

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

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** 03/17/2016 / -
- **Abbreviations and acronyms:**
 - ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 - IMDG: International Maritime Code for Dangerous Goods
 - DOT: US Department of Transportation
 - IATA: International Air Transport Association
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - 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
 - Flam. Gas 1: Flammable gases, Hazard Category 1
 - Flam. Aerosol 1: Flammable aerosols, Hazard Category 1
 - Press. Gas: Gases under pressure: Compressed gas
 - Acute Tox. 4: Acute toxicity, Hazard Category 4
 - Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
 - Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
 - Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
 - Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1
 - Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
 - STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
 - STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

- **Sources**

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