# SAFETY DATA SHEET

## 1. Product and Company Identification

| | |
|---|---|
| **Product identifier** | **Pnu-Flush Pneumatic Air Line Flushing System (4298-01)** |
| **Other means of identification** | Not available |
| **Recommended use** | Cleaner |
| **Recommended restrictions** | None known. |
| **Manufacturer information** | Nu-Calgon<br>2611 Schuetz Road<br>St. Louis, MO 63043 US<br>Phone: 314-469-7000 / 800-554-5499<br>Emergency Phone: 1-800-424-9300 (CHEMTREC) |
| **Supplier** | See above. |

## 2. Hazards Identification

| | | |
|---|---|---|
| **Physical hazards** | Gases under pressure | Liquefied gas |
| **Health hazards** | Reproductive toxicity | Category 1B |
| | Specific target organ toxicity, single exposure | Category 1 |
| **Environmental hazards** | Not classified. | |
| **WHMIS 2015 defined hazards** | Not classified | |

**Label elements**

| | |
|---|---|
| **Signal word** | Danger |
| **Hazard statement** | Contains gas under pressure; may explode if heated. May damage fertility or the unborn child. Causes damage to organs. |
| **Precautionary statement** | |
| **Prevention** | Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. |
| **Response** | IF exposed or concerned: Get medical advice/attention. Specific treatment (see information on this label). |
| **Storage** | Protect from sunlight. Store in a well-ventilated place. Store locked up. |
| **Disposal** | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| **WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)** | None known |
| **WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)** | None known |
| **Hazard(s) not otherwise classified (HNOC)** | None known. |
| **Supplemental information** | Not applicable. |

## 3. Composition/Information on Ingredients

**Mixture**

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|---|---|
| Butane, 1,1,1,3,3-pentafluoro- | | 406-58-6 | 10-30* |
| Ethane, 1,1,1,2-tetrafluoro- | | 811-97-2 | 10-30* |
| Methanol | | 67-56-1 | 1-5* |
| Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro- | | 138495-42-8 | 45-70* |

| | |
|---|---|
| **Composition comments** | US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.<br>*CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret. |

## 4. First Aid Measures

| | |
|---|---|
| **Inhalation** | If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. If breathing has stopped, trained personnel should administer CPR immediately. |
| **Skin contact** | Rinse skin with water/shower. Get medical attention if irritation develops and persists. |
| **Eye contact** | Rinse with water. Get medical attention if irritation develops and persists. |
| **Ingestion** | In the unlikely event of swallowing contact a physician or poison control center. |
| **Most important symptoms/effects, acute and delayed** | Prolonged exposure may cause chronic effects. |
| **Indication of immediate medical attention and special treatment needed** | Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed. |
| **General information** | Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention. Wear impervious gloves and safety glasses. Do not store at temperatures above 49°C. Do not puncture or incinerate container. Avoid contact with eyes and skin. |

## 5. Fire Fighting Measures

| | |
|---|---|
| **Suitable extinguishing media** | Treat for surrounding material. |
| **Unsuitable extinguishing media** | None known. |
| **Specific hazards arising from the chemical** | Contents under pressure. Pressurized container may explode when exposed to heat or flame. |
| **Special protective equipment and precautions for firefighters** | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. |
| **Fire-fighting equipment/instructions** | In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. |
| **Specific methods** | Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out. In the event of fire and/or explosion do not breathe fumes. |
| **General fire hazards** | No unusual fire or explosion hazards noted. |
| **Hazardous combustion products** | May include and are not limited to: Oxides of carbon. Hydrogen fluoride. |

## 6. Accidental Release Measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures** | Keep out of low areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. Do not breathe gas. |
| **Methods and materials for containment and cleaning up** | Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Scoop up used absorbent into drums or other appropriate container. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS. |
| **Environmental precautions** | Avoid discharge into drains, water courses or onto the ground. |

## 7. Handling and Storage

**Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not re-use empty containers. Do not breathe gas. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use personal protective equipment as required. When using, do not eat, drink or smoke. Wash hands thoroughly after handling.

**Conditions for safe storage, including any incompatibilities**

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Keep away from heat, sparks and open flame. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children.

## 8. Exposure Controls/Personal Protection

**Occupational exposure limits**

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)**

| Components | Type | Value |
|---|---|---|
| Methanol (CAS 67-56-1) | STEL | 328 mg/m3<br>250 ppm |
| | TWA | 262 mg/m3<br>200 ppm |

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

| Components | Type | Value |
|---|---|---|
| Methanol (CAS 67-56-1) | STEL | 250 ppm |
| | TWA | 200 ppm |

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

| Components | Type | Value |
|---|---|---|
| Methanol (CAS 67-56-1) | STEL | 250 ppm |
| | TWA | 200 ppm |

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

| Components | Type | Value |
|---|---|---|
| Methanol (CAS 67-56-1) | STEL | 250 ppm |
| | TWA | 200 ppm |

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)**

| Components | Type | Value |
|---|---|---|
| Methanol (CAS 67-56-1) | STEL | 328 mg/m3<br>250 ppm |
| | TWA | 262 mg/m3<br>200 ppm |

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

| Components | Type | Value |
|---|---|---|
| Methanol (CAS 67-56-1) | PEL | 260 mg/m3<br>200 ppm |

**US. ACGIH Threshold Limit Values**

| Components | Type | Value |
|---|---|---|
| Methanol (CAS 67-56-1) | STEL | 250 ppm |
| | TWA | 200 ppm |

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

| Components | Type | Value |
|---|---|---|
| Methanol (CAS 67-56-1) | STEL | 325 mg/m3<br>250 ppm |

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

| Components | Type | Value |
|---|---|---|
| | TWA | 260 mg/m3<br>200 ppm |

**US. AIHA Workplace Environmental Exposure Level (WEEL) Guides**

| Components | Type | Value |
|---|---|---|
| Ethane, 1,1,1,2-tetrafluoro- (CAS 811-97-2) | TWA | 4240 mg/m3<br>1000 ppm |

**Biological limit values**

**ACGIH Biological Exposure Indices**

| Components | Value | Determinant | Specimen | Sampling Time |
|---|---|---|---|---|
| Methanol (CAS 67-56-1) | 15 mg/L | Methanol | Urine | * |

* - For sampling details, please see the source document.

**Exposure guidelines**

**Canada - Alberta OELs: Skin designation**

Methanol (CAS 67-56-1) Can be absorbed through the skin.

**Canada - British Columbia OELs: Skin designation**

Methanol (CAS 67-56-1) Can be absorbed through the skin.

**Canada - Manitoba OELs: Skin designation**

Methanol (CAS 67-56-1) Can be absorbed through the skin.

**Canada - Ontario OELs: Skin designation**

Methanol (CAS 67-56-1) Can be absorbed through the skin.

**Canada - Quebec OELs: Skin designation**

Methanol (CAS 67-56-1) Can be absorbed through the skin.

**Canada - Saskatchewan OELs: Skin designation**

Methanol (CAS 67-56-1) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

Methanol (CAS 67-56-1) Can be absorbed through the skin.

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

Methanol (CAS 67-56-1) Can be absorbed through the skin.

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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

**Eye/face protection** Safety goggles or glasses.

**Skin protection**

**Hand protection** Wear protective gloves.

**Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards** Not applicable.

**General hygiene considerations** When using, do not eat, drink or smoke. 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** | Clear |
| **Physical state** | Gas. |
| **Form** | Aerosol |
| **Color** | Colorless |
| **Odor** | slight ether |
| **Odor threshold** | Not available. |
| **pH** | Not available. |
| **Melting point/freezing point** | Not available. |
| **Initial boiling point and boiling range** | 99 °F (37.22 °C) |
| **Pour point** | Not available. |

| | |
|---|---|
| **Specific gravity** | Not available. |
| **Partition coefficient (n-octanol/water)** | Not available. |
| **Flash point** | Not available. |
| **Evaporation rate** | Not available. |
| **Flammability (solid, gas)** | Not applicable. |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit - lower (%)** | > 7.5 |
| **Flammability limit - upper (%)** | < 9 |
| **Explosive limit - lower (%)** | Not available. |
| **Explosive limit - upper (%)** | Not available. |
| **Vapor pressure** | Not available. |
| **Vapor density** | 4 |
| **Relative density** | Not available. |
| **Solubility(ies)** | Slight |
| **Auto-ignition temperature** | Not available. |
| **Decomposition temperature** | Not available. |
| **Viscosity** | Not available. |
| **Other information** | |
| **Flammability** | The product is not flammable |
| **Percent volatile** | 100 |

## 10. Stability and Reactivity

| | |
|---|---|
| **Reactivity** | This product may react with strong oxidizing agents. |
| **Possibility of hazardous reactions** | No dangerous reaction known under conditions of normal use. |
| **Chemical stability** | Material is stable under normal conditions. |
| **Conditions to avoid** | Do not mix with other chemicals. |
| **Incompatible materials** | Strong oxidizing agents. Alkali earth metals. |
| **Hazardous decomposition products** | May include and are not limited to: Oxides of carbon. Hydrogen fluoride. Hydrocarbons |

## 11. Toxicological Information

| | |
|---|---|
| **Routes of exposure** | Inhalation. Ingestion. Skin contact. Eye contact. |
| **Information on likely routes of exposure** | |
| **Ingestion** | Not a normal route of exposure. May cause stomach distress, nausea or vomiting. |
| **Inhalation** | Prolonged inhalation may be harmful. May cause damage to organs by inhalation. |
| **Skin contact** | No adverse effects due to skin contact are expected. |
| **Eye contact** | Direct contact with eyes may cause temporary irritation. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Direct contact with eyes may cause temporary irritation. |
| **Information on toxicological effects** | |
| **Acute toxicity** | Harmful if inhaled. |

| **Components** | **Species** | **Test Results** |
|---|---|---|
| Butane, 1,1,1,3,3-pentafluoro- (CAS 406-58-6) | | |
| **Acute** | | |
| *Inhalation* | | |
| LC50 | Rat | 100000 ppm, 4 hours, Harp International Limited |
| *Oral* | | |
| LD50 | Rat | > 2000 mg/kg, Harp International Limited |

| Components | Species | Test Results |
|---|---|---|
| Ethane, 1,1,1,2-tetrafluoro- (CAS 811-97-2) | | |
| **Acute** | | |
| *Dermal* | | |
| LD50 | Not available | |
| *Inhalation* | | |
| LC50 | Rat | 1500000 mg/m³, 4 hours, Sigma Aldrich |
| *Oral* | | |
| LD50 | Not available | |
| Methanol (CAS 67-56-1) | | |
| **Acute** | | |
| *Dermal* | | |
| LD50 | Rabbit | 15800 - 20000 mg/kg, SIDS report/HSDB |
| | Rat | > 450000 mg/kg, SIDS report/HSDB |
| *Inhalation* | | |
| LC50 | Cat | 85.4 mg/l/4h, HSDB |
| | | 85.4 mg/L, 4.5 Hours, ECHA/HSDB |
| | | 43.7 mg/L, 6 Hours, ECHA |
| | Mouse | 79.4 mg/L, 134 Minutes, ECHA |
| | Rat | > 115.9 mg/L, 4 Hours, ECHA |
| | | 64000 ppm, 4 Hours, HSDB |
| | | 130.7 mg/L, 4 Hours, ECHA |
| | | 128.2 mg/L, 4 Hours, ECHA |
| | | 92.6 mg/L, 6 Hours, ECHA |
| | | 87.5 mg/L, 6 Hours, ECHA |
| | | 83.2 - 128.8 mg/l/4h, SIDS report/HSDB |
| | | 82.1 mg/L, 6 Hours, ECHA |
| *Oral* | | |
| LD50 | Dog | 8000 mg/kg, HSDB |
| | Human | 143 - 300 mg/kg, HSNO CCID/Sigma-Aldrich |
| | Monkey | 7000 - 9000 mg/kg, ECHA |
| | | 6000 mg/kg, ECHA |
| | | 3000 mg/kg, RTECS |
| | | 2000 mg/kg, HSDB |
| | Mouse | 7300 mg/kg, HSDB |
| | Pig | > 5000 mg/kg, ECHA |
| | Rabbit | 14200 - 14400 mg/kg, RTECS |
| | | 14.4 g/kg, HSDB |
| | Rat | 1187 - 2769 mg/kg |
| | | 790 - 13000 mg/kg, SIDS report/HSDB |
| | | 5628 mg/kg, HSDB |
| Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro- (CAS 138495-42-8) | | |
| **Acute** | | |
| *Dermal* | | |
| LD50 | Rabbit | > 5000 mg/kg, Sigma Aldrich |
| *Inhalation* | | |
| LC50 | Rat | 11100 ppm, 4 hours, Dupont |
| *Oral* | | |
| LD50 | Rat | > 5000 mg/kg, Sigma Aldrich |

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

| | |
|---|---|
| **Exposure minutes** | Not available. |
| **Erythema value** | Not available. |
| **Oedema value** | Not available. |
| **Serious eye damage/eye irritation** | May cause irritation. |
| **Corneal opacity value** | Not available. |
| **Iris lesion value** | Not available. |
| **Conjunctival reddening value** | Not available. |
| **Conjunctival oedema value** | Not available. |
| **Recover days** | Not available. |
| **Respiratory or skin sensitization** | |
| **Respiratory sensitization** | Not available. |
| **Skin sensitization** | This product is not expected to cause skin sensitization. |
| **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. |

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

Not listed.

| | |
|---|---|
| **Reproductive toxicity** | May damage fertility or the unborn child. |
| **Teratogenicity** | Not available. |
| **Specific target organ toxicity - single exposure** | Causes damage to organs. |
| **Specific target organ toxicity - repeated exposure** | Not classified. |
| **Aspiration hazard** | Not likely, due to the form of the product. |
| **Chronic effects** | Prolonged inhalation may be harmful. |

## 12. Ecological Information

**Ecotoxicity** See below

**Ecotoxicological data**

| Components | | Species | Test Results |
|---|---|---|---|
| Methanol (CAS 67-56-1) | | | |
| **Aquatic** | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | > 10000 mg/L, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | > 100 mg/L, 96 hours |

| | |
|---|---|
| **Persistence and degradability** | No data is available on the degradability of this product. |
| **Bioaccumulative potential** | No data available. |
| **Mobility in soil** | No data available. |
| **Mobility in general** | 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. Contents under pressure. Do not puncture, incinerate or crush. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| **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. Do not re-use empty containers. |

## 14. Transport Information

**Transport of Dangerous Goods (TDG) Proof of Classification** Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

**U.S. Department of Transportation (DOT)**

**Basic shipping requirements:**

| | |
|---|---|
| **UN number** | UN1950 |
| **Proper shipping name** | Aerosols, non-flammable, (each not exceeding 1 L capacity) |
| **Hazard class** | Limited Quantity - US |
| **Packaging exceptions** | 306 |

**Transportation of Dangerous Goods (TDG - Canada)**

**Basic shipping requirements:**

| | |
|---|---|
| **UN number** | UN1950 |
| **Proper shipping name** | AEROSOLS, non-flammable |
| **Hazard class** | Limited Quantity - Canada |
| **Special provisions** | 80, 107 |

**DOT; TDG**

## 15. Regulatory Information

**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

**Canada CEPA Schedule I: Listed substance**

| | |
|---|---|
| Butane, 1,1,1,3,3-pentafluoro- (CAS 406-58-6) | Listed. |
| Ethane, 1,1,1,2-tetrafluoro- (CAS 811-97-2) | Listed. |
| Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro- (CAS 138495-42-8) | Listed. |

**Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number**

| | |
|---|---|
| Methanol (CAS 67-56-1) | 1 TONNES |

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Ethane, 1,1,1,2-tetrafluoro- (CAS 811-97-2)
Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro- (CAS 138495-42-8)

**Precursor Control Regulations**

Not regulated.

**WHMIS 2015 Exemptions** Not applicable

**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)**

| | |
|---|---|
| Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro- (CAS 138495-42-8) | 1.0 % One-Time Export Notification only. |

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

| | |
|---|---|
| Methanol (CAS 67-56-1) | Listed. |

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

Not listed.

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

| | |
|---|---|
| **Hazard categories** | Immediate Hazard - Yes<br>Delayed Hazard - Yes<br>Fire Hazard - No<br>Pressure Hazard - Yes<br>Reactivity Hazard - No |
| **SARA 302 Extremely hazardous substance** | No |

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

| Chemical name | CAS number | % by wt. |
|---|---|---|
| Methanol | 67-56-1 | 1-5* |

**Other federal regulations**

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

Methanol (CAS 67-56-1)

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

Not regulated.

**US state regulations**

**US - California Hazardous Substances (Director's): Listed substance**

Methanol (CAS 67-56-1) Listed.

**US - Illinois Chemical Safety Act: Listed substance**

Methanol (CAS 67-56-1)

**US - Louisiana Spill Reporting: Listed substance**

Methanol (CAS 67-56-1) Listed.

**US - Minnesota Haz Subs: Listed substance**

Ethane, 1,1,1,2-tetrafluoro- (CAS 811-97-2) Listed.
Methanol (CAS 67-56-1) Listed.

**US - New Jersey RTK - Substances: Listed substance**

Methanol (CAS 67-56-1)

**US - Texas Effects Screening Levels: Listed substance**

Butane, 1,1,1,3,3-pentafluoro- (CAS 406-58-6) Listed.
Ethane, 1,1,1,2-tetrafluoro- (CAS 811-97-2) Listed.
Methanol (CAS 67-56-1) Listed.
Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro- (CAS 138495-42-8) Listed.

**US. Massachusetts RTK - Substance List**

Methanol (CAS 67-56-1)

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

Methanol (CAS 67-56-1)

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

Methanol (CAS 67-56-1)

**US. Rhode Island RTK**

Methanol (CAS 67-56-1)

**US. California Proposition 65**

**WARNING:** This product can expose you to Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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

Methanol (CAS 67-56-1) Listed: March 16, 2012

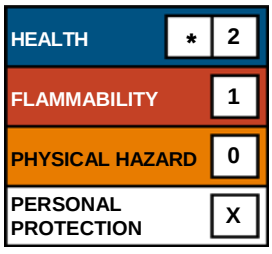
**Inventory status**

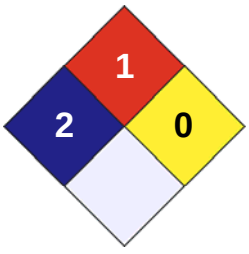
| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

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

## 16. Other Information

| LEGEND | |
|---|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | 0 |



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