



SAFETY DATA SHEET

1. Product and Company Identification

| | |
|--------------------------------------|--|
| Product identifier | Cal-Shield (4148-08, 4148-32) |
| Other means of identification | Not available |
| Recommended use | Coil Protectant |
| Recommended restrictions | None known. |
| Manufacturer information | Nu-Calgon 2611 Schuetz Road St. Louis, MO 63043 US Phone: 314-469-7000 / 800-554-5499 Emergency Phone: 1-800-424-9300 (CHEMTREC) |
| Supplier | See above. |

2. Hazards Identification

| | |
|--|--|
| Physical hazards | Not classified. |
| Health hazards | Not classified. |
| Environmental hazards | Not classified. |
| WHMIS 2015 defined hazards | Not classified |
| Label elements | |
| Hazard symbol | None. |
| Signal word | None. |
| Hazard statement | The mixture does not meet the criteria for classification. |
| Precautionary statement | |
| Prevention | Observe good industrial hygiene practices. |
| Response | Wash hands after handling. |
| Storage | Store away from incompatible materials. |
| Disposal | Dispose of waste and residues in accordance with local authority requirements. |
| 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 | None. |

3. Composition/Information on Ingredients

| | |
|-----------------------------|--------------------------------------|
| Mixture | |
| Composition comments | Non-hazardous by WHMIS/OSHA criteria |

4. First Aid Measures

| | |
|---|--|
| Inhalation | If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention. |
| Skin contact | Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists. |
| Eye contact | Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists. |
| Ingestion | Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention. |
| Most important symptoms/effects, acute and delayed | Direct contact with eyes may cause temporary irritation. |
| Indication of immediate medical attention and special treatment needed | Symptoms may be delayed. Treat patient symptomatically. |

General information

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Wear rubber gloves and safety glasses with side shields. Keep out of reach of children.

5. Fire Fighting Measures

| | |
|--|---|
| Suitable extinguishing media | Treat for surrounding material. |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical | Firefighters should wear a self-contained breathing apparatus. |
| Special protective equipment and precautions for firefighters | Firefighters should wear full protective clothing including self-contained breathing apparatus. |
| Fire-fighting equipment/instructions | Move containers from fire area if you can do so without risk. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. |
| 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 unnecessary personnel away. Keep people away from and upwind of spill/leak. 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 | <p>Stop leak if you can do so without risk.</p> <p>Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Prevent entry into waterways, sewers, basements or confined areas. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.</p> |
| Environmental precautions | Do not discharge into lakes, streams, ponds or public waters. |

7. Handling and Storage

| | |
|---|--|
| Precautions for safe handling | Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using do not eat or drink. Avoid breathing vapors or mists of this product. Keep container tightly closed. |
| Conditions for safe storage, including any incompatibilities | Store in a closed container away from incompatible materials. Keep out of 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 |
|--------------------------------|------|--------------------------------------|
| Acetic acid (CAS 64-19-7) | STEL | 37 mg/m ³ 15 ppm |
| | TWA | 25 mg/m ³ 10 ppm |
| Carbon dioxide (CAS 124-38-9) | STEL | 54000 mg/m ³ 30000 ppm |
| | TWA | 9000 mg/m ³ 5000 ppm |
| Carbon monoxide (CAS 630-08-0) | TWA | 29 mg/m ³ 25 ppm |

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

| Components | Type | Value |
|-----------------------------------|---------|----------------------|
| Carbonyl fluoride (CAS 353-50-4) | STEL | 13 mg/m3 |
| | | 5 ppm |
| | TWA | 5.4 mg/m3 2 ppm |
| Hydrogen fluoride (CAS 7664-39-3) | Ceiling | 1.6 mg/m3 |
| | | 2 ppm |
| | TWA | 1.4 mg/m3 1.5 ppm |

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

| Components | Type | Value |
|-----------------------------------|---------|-----------|
| Acetic acid (CAS 64-19-7) | STEL | 15 ppm |
| | TWA | 10 ppm |
| Carbon dioxide (CAS 124-38-9) | STEL | 15000 ppm |
| | TWA | 5000 ppm |
| Carbon monoxide (CAS 630-08-0) | STEL | 100 ppm |
| | TWA | 25 ppm |
| Carbonyl fluoride (CAS 353-50-4) | STEL | 5 ppm |
| | TWA | 2 ppm |
| Hydrogen fluoride (CAS 7664-39-3) | Ceiling | 2 ppm |
| | TWA | 2.5 mg/m3 |

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

| Components | Type | Value |
|-----------------------------------|---------|-----------|
| Acetic acid (CAS 64-19-7) | STEL | 15 ppm |
| | TWA | 10 ppm |
| Carbon dioxide (CAS 124-38-9) | STEL | 30000 ppm |
| | TWA | 5000 ppm |
| Carbon monoxide (CAS 630-08-0) | TWA | 25 ppm |
| Carbonyl fluoride (CAS 353-50-4) | STEL | 5 ppm |
| | TWA | 2 ppm |
| Hydrogen fluoride (CAS 7664-39-3) | Ceiling | 2 ppm |
| | TWA | 0.5 ppm |

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

| Components | Type | Value |
|----------------------------------|------|-----------|
| Acetic acid (CAS 64-19-7) | STEL | 15 ppm |
| | TWA | 10 ppm |
| Carbon dioxide (CAS 124-38-9) | STEL | 30000 ppm |
| | TWA | 5000 ppm |
| Carbon monoxide (CAS 630-08-0) | TWA | 25 ppm |
| Carbonyl fluoride (CAS 353-50-4) | STEL | 5 ppm |

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

| Components | Type | Value |
|-----------------------------------|---------|---------|
| Hydrogen fluoride (CAS 7664-39-3) | TWA | 2 ppm |
| | Ceiling | 2 ppm |
| | TWA | 0.5 ppm |

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

| Components | Type | Value |
|-----------------------------------|---------|--------------------------|
| Acetic acid (CAS 64-19-7) | STEL | 37 mg/m3 15 ppm |
| | TWA | 25 mg/m3 10 ppm |
| | STEL | 54000 mg/m3 30000 ppm |
| Carbon dioxide (CAS 124-38-9) | TWA | 9000 mg/m3 5000 ppm |
| | STEL | 230 mg/m3 200 ppm |
| | TWA | 40 mg/m3 35 ppm |
| Carbon monoxide (CAS 630-08-0) | STEL | 13 mg/m3 5 ppm |
| | TWA | 5.4 mg/m3 2 ppm |
| | Ceiling | 2.6 mg/m3 3 ppm |
| Hydrogen fluoride (CAS 7664-39-3) | TWA | 2.5 mg/m3 |

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)

| Components | Type | Value |
|-----------------------------------|---------|-------|
| Hydrogen fluoride (CAS 7664-39-3) | Ceiling | 2 ppm |

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

| Components | Type | Value |
|-----------------------------------|------|------------------------|
| Acetic acid (CAS 64-19-7) | PEL | 25 mg/m3 10 ppm |
| | PEL | 9000 mg/m3 5000 ppm |
| Carbon dioxide (CAS 124-38-9) | PEL | 55 mg/m3 50 ppm |
| | PEL | 2.5 mg/m3 |
| Carbon monoxide (CAS 630-08-0) | PEL | 2.5 mg/m3 |
| | PEL | 2.5 mg/m3 |
| Hydrogen fluoride (CAS 7664-39-3) | PEL | 2.5 mg/m3 |

US. OSHA Table Z-2 (29 CFR 1910.1000)

| Components | Type | Value | Form |
|-----------------------------------|------|-----------|-------|
| Carbonyl fluoride (CAS 353-50-4) | TWA | 2.5 mg/m3 | Dust. |
| Hydrogen fluoride (CAS 7664-39-3) | TWA | 3 ppm | |

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|---------------------------|------|--------|
| Acetic acid (CAS 64-19-7) | STEL | 15 ppm |

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|-----------------------------------|---------|-----------|
| | TWA | 10 ppm |
| Carbon dioxide (CAS 124-38-9) | STEL | 30000 ppm |
| | TWA | 5000 ppm |
| Carbon monoxide (CAS 630-08-0) | TWA | 25 ppm |
| Carbonyl fluoride (CAS 353-50-4) | STEL | 5 ppm |
| | TWA | 2 ppm |
| Hydrogen fluoride (CAS 7664-39-3) | Ceiling | 2 ppm |
| | TWA | 0.5 ppm |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|-----------------------------------|---------|--------------------------|
| Acetic acid (CAS 64-19-7) | STEL | 37 mg/m3 15 ppm |
| | TWA | 25 mg/m3 10 ppm |
| Carbon dioxide (CAS 124-38-9) | STEL | 54000 mg/m3 30000 ppm |
| | TWA | 9000 mg/m3 5000 ppm |
| Carbon monoxide (CAS 630-08-0) | Ceiling | 229 mg/m3 200 ppm |
| | TWA | 40 mg/m3 35 ppm |
| Carbonyl fluoride (CAS 353-50-4) | STEL | 15 mg/m3 5 ppm |
| | TWA | 5 mg/m3 2 ppm |
| Hydrogen fluoride (CAS 7664-39-3) | Ceiling | 5 mg/m3 6 ppm |
| | TWA | 2.5 mg/m3 3 ppm |

Biological limit values

| ACGIH Biological Exposure Indices Components | Value | Determinant | Specimen | Sampling Time |
|--|------------------|--------------------------------------|--|---------------|
| Carbon monoxide (CAS 630-08-0) | 3.5 % 20 ppm | Carboxyhemoglobin Carbon monoxide | Hemoglobin in blood End-exhaled air | * * |
| Carbonyl fluoride (CAS 353-50-4) | 3 mg/L 2 mg/L | Fluoride Fluoride | Urine Urine | * * |
| Hydrogen fluoride (CAS 7664-39-3) | 3 mg/L 2 mg/L | Fluoride Fluoride | Urine Urine | * * |

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

Exposure guidelines

Canada - Manitoba OELs: Skin designation

Hydrogen fluoride (CAS 7664-39-3) Can be absorbed through the skin.

Canada - Ontario OELs: Skin designation

Hydrogen fluoride (CAS 7664-39-3) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Hydrogen fluoride (CAS 7664-39-3)

Can be absorbed through the skin.

Appropriate engineering controls

General ventilation normally adequate.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Wear safety glasses with side shields (or goggles).

Skin protection**Hand protection**

Impervious gloves. Confirm with reputable supplier first.

Other

As required by employer code.

Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

Thermal hazards

Not applicable.

General hygiene considerations

Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.
When using do not eat or drink.

9. Physical and Chemical Properties

| | |
|---|-----------------|
| Appearance | Opaque |
| Physical state | Liquid. |
| Form | Liquid. |
| Color | White. |
| Odor | Not available. |
| Odor threshold | Not available. |
| pH | 3.3 - 4.8 |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not available. |
| 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 (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Relative density | Not available. |
| Solubility(ies) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Density | 8.39 lbs/gallon |
| Explosive properties | Not explosive. |
| Oxidizing properties | Not oxidizing. |

10. Stability and Reactivity

| | |
|-------------------|--|
| Reactivity | This product may react with strong oxidizing agents. |
|-------------------|--|

| | |
|---|--|
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Chemical stability | Stable under recommended storage conditions. |
| Conditions to avoid | Do not mix with other chemicals. |
| Incompatible materials | Oxidizers. |
| Hazardous decomposition products | May include and are not limited to: Oxides of carbon. Hydrogen fluoride. |

11. Toxicological Information

| | |
|---|---|
| Routes of exposure | Eye, Skin contact, Inhalation, Ingestion. |
| Information on likely routes of exposure | |
| Ingestion | May cause stomach distress, nausea or vomiting. |
| Inhalation | No adverse effects due to inhalation are expected. |
| 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 | Not available. |
| 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 | Direct contact with eyes may cause temporary 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 a respiratory sensitizer. |
| Skin sensitization | This product is not expected to cause skin sensitization. |
| Mutagenicity | Non-hazardous by WHMIS/OSHA criteria. |
| Carcinogenicity | Non-hazardous by WHMIS/OSHA criteria. See below. |
| IARC Monographs. Overall Evaluation of Carcinogenicity | |
| Carbonyl fluoride (CAS 353-50-4) | Volume 27, Supplement 7 - 3 Not classifiable as to carcinogenicity to humans. |
| Hydrogen fluoride (CAS 7664-39-3) | Volume 27, Supplement 7 - 3 Not classifiable as to carcinogenicity to humans. |
| US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) | |
| Not listed. | |
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
| Teratogenicity | Non-hazardous by WHMIS/OSHA criteria. |
| Specific target organ toxicity - single exposure | Not classified. |
| Specific target organ toxicity - repeated exposure | Not classified. |
| Aspiration hazard | Not an aspiration hazard. |
| Chronic effects | Non-hazardous by WHMIS/OSHA criteria. |

12. Ecological Information

| | |
|--------------------------------------|--|
| Ecotoxicity | Not available. |
| Persistence and degradability | No data is available on the degradability of this product. |
| Bioaccumulative potential | |

| | |
|------------------------------|---|
| 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. Dispose in accordance with all applicable 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 | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

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)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

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

| | |
|-----------------------------------|---------|
| Carbon dioxide (CAS 124-38-9) | Listed. |
| Carbonyl fluoride (CAS 353-50-4) | Listed. |
| Hydrogen fluoride (CAS 7664-39-3) | Listed. |

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Carbon dioxide (CAS 124-38-9)

Precursor Control Regulations

Not regulated.

WHMIS 2015 Exemptions Not applicable

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.

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

Carbonyl fluoride (CAS 353-50-4) 1.0 % One-Time Export Notification only.

CERCLA Hazardous Substance List (40 CFR 302.4)

| | |
|-----------------------------------|---------|
| Acetic acid (CAS 64-19-7) | Listed. |
| Carbon monoxide (CAS 630-08-0) | Listed. |
| Carbonyl fluoride (CAS 353-50-4) | Listed. |
| Hydrogen fluoride (CAS 7664-39-3) | Listed. |

US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity

Hydrogen fluoride (CAS 7664-39-3) 100 LBS

US. 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 No

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

Hydrogen fluoride (CAS 7664-39-3)

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

Hydrogen fluoride (CAS 7664-39-3)

US state regulations

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

| | |
|-----------------------------------|---------|
| Acetic acid (CAS 64-19-7) | Listed. |
| Carbon dioxide (CAS 124-38-9) | Listed. |
| Carbon monoxide (CAS 630-08-0) | Listed. |
| Carbonyl fluoride (CAS 353-50-4) | Listed. |
| Hydrogen fluoride (CAS 7664-39-3) | Listed. |

US - Illinois Chemical Safety Act: Listed substance

Acetic acid (CAS 64-19-7)
Carbon monoxide (CAS 630-08-0)
Carbonyl fluoride (CAS 353-50-4)
Hydrogen fluoride (CAS 7664-39-3)

US - Louisiana Spill Reporting: Listed substance

| | |
|-----------------------------------|---------|
| Acetic acid (CAS 64-19-7) | Listed. |
| Carbon monoxide (CAS 630-08-0) | Listed. |
| Carbonyl fluoride (CAS 353-50-4) | Listed. |
| Hydrogen fluoride (CAS 7664-39-3) | Listed. |

US - Minnesota Haz Subs: Listed substance

| | |
|-----------------------------------|---------|
| Acetic acid (CAS 64-19-7) | Listed. |
| Carbon dioxide (CAS 124-38-9) | Listed. |
| Carbon monoxide (CAS 630-08-0) | Listed. |
| Carbonyl fluoride (CAS 353-50-4) | Listed. |
| Hydrogen fluoride (CAS 7664-39-3) | Listed. |

US - New Jersey RTK - Substances: Listed substance

Acetic acid (CAS 64-19-7)
Carbon dioxide (CAS 124-38-9)
Carbon monoxide (CAS 630-08-0)
Carbonyl fluoride (CAS 353-50-4)
Hydrogen fluoride (CAS 7664-39-3)

US - New York Release Reporting: Acutely Hazardous Substances: Listed substance

| | |
|-----------------------------------|---------|
| Carbonyl fluoride (CAS 353-50-4) | Listed. |
| Hydrogen fluoride (CAS 7664-39-3) | Listed. |

US - North Carolina Toxic Air Pollutants: Listed substance

Acetic acid (CAS 64-19-7)
Carbonyl fluoride (CAS 353-50-4)
Hydrogen fluoride (CAS 7664-39-3)

US - Texas Effects Screening Levels Hazard Data: Simple asphyxiant

Carbon dioxide (CAS 124-38-9)

US - Texas Effects Screening Levels: Listed substance

| | |
|-----------------------------------|---------|
| Acetic acid (CAS 64-19-7) | Listed. |
| Carbon dioxide (CAS 124-38-9) | Listed. |
| Carbon monoxide (CAS 630-08-0) | Listed. |
| Carbonyl fluoride (CAS 353-50-4) | Listed. |
| Hydrogen fluoride (CAS 7664-39-3) | Listed. |

US. Massachusetts RTK - Substance List

Acetic acid (CAS 64-19-7)
Carbon dioxide (CAS 124-38-9)
Carbon monoxide (CAS 630-08-0)
Carbonyl fluoride (CAS 353-50-4)
Hydrogen fluoride (CAS 7664-39-3)

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

Hydrogen fluoride (CAS 7664-39-3)

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

Acetic acid (CAS 64-19-7)
Carbon dioxide (CAS 124-38-9)
Carbon monoxide (CAS 630-08-0)

Carbonyl fluoride (CAS 353-50-4)
Hydrogen fluoride (CAS 7664-39-3)

US. Rhode Island RTK

Acetic acid (CAS 64-19-7)
Carbon dioxide (CAS 124-38-9)
Carbon monoxide (CAS 630-08-0)
Carbonyl fluoride (CAS 353-50-4)
Hydrogen fluoride (CAS 7664-39-3)

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.

Inventory status

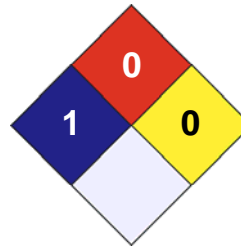
| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory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

| | |
|---------------------|-----|
| HEALTH | / 1 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | X |



Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document. The information in the sheet was written based on the best knowledge and experience currently available.

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02

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Prepared by

Nu-Calgon Technical Service Phone: (314) 469-7000

Other information

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.