

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Section 1. CHEMICAL PRODUCT SECTION

1.1 Identification: Product Name: STATICIDE® Heavy Duty  
Product Number: # 2002, 2005, 520, 2002-5, 2002-2  
CAS# Mixture (see section 3)

1.2 Product description: Anti-static topical for porous surfaces  
Product type: Water with surfactants  
Application: Industrial applications, professional applications

1.3 Manufacturer: ACL Incorporated  
840 W. 49<sup>th</sup> Place  
Chicago, IL 60609

PH: (01) 847.981.9212 [U.S.A.]  
FAX: (01) 847.981.9278 [U.S.A.]

Email of responsible party for SDS : [marykay@aclstaticide.com](mailto:marykay@aclstaticide.com)

1.4 Emergency telephone:  
US/Canada Emergency TEL: INFOTRAC: (01) 800.535.5053 (day or night)  
International Emergency TEL: INFOTRAC: 352.323.3500 (day or night)

### Section 2. HAZARDOUS IDENTIFICATION

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] & (US) OSHA HCS 2012:

#### 2.1 Classification of the substance or mixture

Product definition: Mixture

Percentage of mixture consisting of ingredients of unknown toxicity: 0%

**PHYSICAL/CHEMICAL HAZARDS:** Not classified

**HUMAN HEALTH HAZARDS:** Eye irritation - Category 2B

**ENVIRONMENTAL HAZARDS:** Not classified

See Section 11 for more detailed information on health effects and symptoms.

#### 2.2 Label Elements

**Hazard Pictograms:**



**Signal Word:** Warning

**Hazard Statement:** Causes eye irritation (H320)

#### Precautionary Statements:

##### General:

If medical advice is needed, have container or label at hand (P101)

Keep out of reach of children (P102)

Read label before use (P103)

##### Prevention:

Wash hands thoroughly after handling (P264)

##### Response:

**IF IN EYES**, Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305 + P351 + P338)  
If eye irritation persists, get medical attention or advice (P337 + P313)  
**IF ON SKIN**, wash with plenty of water. (P302 + P352)

**Unknown Acute Toxicity:** No data available

**Storage** Not a hazardous substance or mixture. See section 7 for storage details.  
**Disposal** Not a hazardous substance or mixture. See section 13 for disposal details.  
**2.3 Other Hazards:** NA  
**Supplemental label elements:** NA  
**Annex XVII:** Not applicable

Special packaging requirements

Containers to be fitted with child-resistant fastenings: Not applicable  
Tactile warning of danger: Not applicable

|                   |                                                 |
|-------------------|-------------------------------------------------|
| <b>Section 3.</b> | <b>COMPOSITION / INFORMATION ON INGREDIENTS</b> |
|-------------------|-------------------------------------------------|

**3.1 Substance/Mixture :** Mixture

| CHEMICAL                                                                    | CAS        | CLASSIFICATION                                                                                                                           | WEIGHT  |
|-----------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Deionized Water                                                             | 7732-18-5  | Not classified                                                                                                                           | 95 – 99 |
| Quaternary ammonium compounds, coco alkylbis (hydroxyethyl)methyl, nitrates | 71487-00-8 | Acute Tox. 4; H302<br>Skin Corr. 1B; H314<br>Eye Dam. 1; H318<br>Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410<br>M-Factor (Acute): 1 | 1 – 2   |
| Isopropanol                                                                 | 67-63-0    | Flam. Liq. 2; H225<br>Eye Irrit. 2A; H319<br>STOT SE 3; H336                                                                             | 1       |

|                   |                           |
|-------------------|---------------------------|
| <b>Section 4.</b> | <b>FIRST AID MEASURES</b> |
|-------------------|---------------------------|

**4.1 Description of first aid measures**

**4.1.1 General Advice:** If exposed or concerned: Get medical advice/attention

**4.1.2 Inhalation:** If symptoms are experienced, remove the source of contamination or move victim to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult give oxygen.

**4.1.3 Skin Contact:** If irritated, Wash with soap and water. Take off contaminated clothing and wash it before reuse. Get medical attention if irritation persists.

**4.1.4 Eye Contact:** Immediately flush eyes with large amounts of cold water for 15 minutes while holding eyelids open. If irritation persists, get medical attention.

**4.1.5 Ingestion:** Clean mouth with water and drink afterwards plenty of water. If swallowed, seek medical attention.

**4.1.6 Self-Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training. Wear gloves

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Potential acute health effects

Eye contact: Causes serious eye irritation.

Inhalation: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following: pain or irritation watering redness

Inhalation: No specific data

Skin contact: No specific data

Ingestion: No specific data

**4.3 Indication of any immediate medical attention and special treatment needed**

No data

|                                          |
|------------------------------------------|
| <b>Section 5. FIRE FIGHTING MEASURES</b> |
|------------------------------------------|

**Protective equipment and precautions for firefighters:**

**5.1 Extinguishing media**

Suitable extinguishing media: Alcohol resistant foam, carbon dioxide (CO2). Dry chemical.

Unsuitable extinguishing media: Not determined

**5.2 Special hazards arising from the substance or mixture:** Not determined.

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**5.4 Further information:** No data available

|                                               |
|-----------------------------------------------|
| <b>Section 6. ACCIDENTAL RELEASE MEASURES</b> |
|-----------------------------------------------|

**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment as required. For personal protection see section 8.

**6.1.1 For non-emergency personnel:** Evacuate surrounding areas. Provide adequate ventilation.

**6.1.2 For emergency responders:** Take note of any information in Section 8 on suitable and unsuitable materials

**6.2 Environmental precautions**

No special environmental precautions required.

**6.3 Methods and materials for containment and cleaning up**

**6.3.1 Containment:** Prevent further leakage or spillage if safe to do so. Halt spill at source and contain or dike spill with inert absorbent material.

**6.3.2 Clean up:** Transfer liquid to containers for recovery or disposal. Shovel absorbent into drums for disposal in accordance with local, state and federal regulations.

**6.3.3 Other information:** NA

**6.4 Reference to other sections**

For disposal see section 13.

|                                        |
|----------------------------------------|
| <b>Section 7. HANDLING AND STORAGE</b> |
|----------------------------------------|

**7.1 Precautions for safe handling**

Avoid contact with eyes. For precautions see section 2.2

Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands, and any exposed skin thoroughly after handling. Wear eye/face protection.

When using, do not smoke.

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

Keep container tightly closed in a dry and well-ventilated place away from direct sunlight.

**Storage Conditions:** Ambient (40° - 90° F)

**Incompatible Materials:** None known based on information supplied.

### 7.3 Specific end use(s) Apart from the uses mentioned in section 1.2

Designed for interior industrial manufacturing. May be used to decay static on carpets and upholstery.

May be used on composite materials for static control but will not withstand weathering.

## Section 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational exposure limits

| Component   | OSHA PEL                                                                     | ACGIH TLV                                                                    | NIOSH REL                                                                      |
|-------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Isopropanol | 400 ppm TWA ; 980 Mg/m <sup>3</sup><br>500 ppm STEL ; 1225 Mg/m <sup>3</sup> | 400 ppm TWA ; 983 Mg/m <sup>3</sup><br>500 ppm STEL ; 1230 Mg/m <sup>3</sup> | 400 ppm TWA<br>980 Mg/m <sup>3</sup><br>500 ppm STEL<br>1225 Mg/m <sup>3</sup> |

**Recommended monitoring procedures:** Not established

**DNELs/DMELs:** No DNELs/DMELs available.

**PNECs:** No PNECs available

### 8.2 Exposure controls

8.2.1 Appropriate engineering controls: Eyewash stations. Local Exhaust ventilation acceptable

#### 8.2.2 Personal protective equipment

**8.2.2.1 Eye and face protection** Ensure that eyewash stations are proximal to the work-station location.

Splash Goggles are recommended for large spills.

**8.2.2.2 Skin protection** Wear protective work clothing if necessary. Gloves recommended.

**8.2.2.3 Respiratory protection** None required in well ventilated areas.

**8.2.2.4 Thermal hazards:** For normal conditions, protection is not necessary.

**Environmental exposure controls:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**In Case of Large Spill:** Wear gloves, goggles, and protective work clothing.

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|                                              |                                  |
|----------------------------------------------|----------------------------------|
| Appearance                                   | Clear pale yellow liquid         |
| Odor                                         | Pleasant                         |
| pH                                           | 7.1                              |
| Melting point/freezing point                 | NE / Less than 0°C               |
| Initial boiling point and boiling range      | 100°C (212°F)                    |
| Flash point and method                       | None                             |
| Evaporation rate                             | (H <sub>2</sub> O =1) 1 estimate |
| Flammability (solid, gas, liquid)            | NA                               |
| Upper/lower flammability or explosive limits | NA                               |
| Vapor pressure                               | NE                               |
| Vapor density (air=1)                        | 2 estimate                       |
| Relative density                             | .99                              |
| Solubility(ies).                             | Miscible                         |

|                                        |        |
|----------------------------------------|--------|
| Partition coefficient: n-octanol/water | NE     |
| Autoignition temperature               | NA     |
| Decomposition temperature              | NE     |
| Viscosity                              | NE     |
| Volatile by weight                     | >98.5% |

## 9.2 Other safety information

|           |     |
|-----------|-----|
| VOC (g/l) | < 9 |
|-----------|-----|

## Section 10. STABILITY AND REACTIVITY

**10.1 Reactivity** No data available

**10.2 Chemical stability** Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions** None under normal procession

**10.4 Conditions to avoid:** Heat, flames and sparks. Extremes of temperature and direct sunlight.

**10.5 Incompatible materials** None known based on information supplied

**10.6 Hazardous decomposition products:** Hazardous Polymerization will not occur.

Other decomposition products: In the event of fire: see section 5

## Section 11. TOXICOLOGY INFORMATION

### 11.1 – 11.1.4 Information on toxicological effects

**a) Acute toxicity:** Mixture not classified (based on available data, the classification criteria are not met)

| Chemical Name                                                               | Oral LD50                | Dermal LD50            | Inhalation LC50          |
|-----------------------------------------------------------------------------|--------------------------|------------------------|--------------------------|
| Isopropanol                                                                 | =6410 mg/kg (Rabbit)     | =12,800 mg/kg (Rabbit) | =72.6 mg/l (Rat) 4 hours |
| quatarnary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates | =300 – 2,000 mg/kg (Rat) | No data                | No data                  |

**b) Skin Irritation/Corrosion:** Mixture not classified (based on available data, the classification criteria are not met)

| Product/ingredient name                                                     | Result               | Species | Exposure            |
|-----------------------------------------------------------------------------|----------------------|---------|---------------------|
| Isopropanol                                                                 | Skin - Mild irritant | Rabbit  | 500 milligrams      |
| quatarnary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates | Burns skin           | Rabbit  | Read across analogy |

**Conclusion/Summary:** Not available

**c) Eye Irritation/Corrosion:** Mixture not classified (based on available data, the classification criteria are not met)

| Product/ingredient name                                                     | Result                                                    | Species                    | Exposure                                                   |
|-----------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------|------------------------------------------------------------|
| Isopropanol                                                                 | Moderate irritant<br>Moderate irritant<br>Severe irritant | Rabbit<br>Rabbit<br>Rabbit | 24 hours 100 milligrams<br>10 milligrams<br>100 milligrams |
| quatarnary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates | Risk of serious eye damage                                | Rabbit                     | Read across analogy                                        |

**d) Respiratory or Skin Sensitization:** Mixture not classified (based on available data, the classification criteria are not met)

| Product/ingredient name                                                     | Result                            | Species    | Test   |
|-----------------------------------------------------------------------------|-----------------------------------|------------|--------|
| Isopropanol                                                                 | Does not cause skin sensitization | Guinea Pig | Bueler |
| quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates | No data available                 |            |        |

**e) Germ Cell Mutagenicity:** Mixture not classified (based on available data, the classification criteria are not met)

| Product/ingredient name                                                     | Result                | Species  | Test                                         |
|-----------------------------------------------------------------------------|-----------------------|----------|----------------------------------------------|
| Isopropanol                                                                 | Negative              | Bacteria | Ames test<br>Method: OECD Test Guideline 471 |
| quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates | Likely to be negative |          | Based on similar quaternary salts            |

**f) Carcinogenicity Conclusion/Summary:**

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

**g) Reproductive toxicity:** Mixture not classified (based on available data, the classification criteria are not met)

**h) STOT-single exposure:**

| Product/ingredient name | Category   | Route of exposure | Target organs    |
|-------------------------|------------|-------------------|------------------|
| propan-2-ol             | Category 3 | Not applicable.   | Narcotic effects |

**i) STOT-repeated exposure:** Mixture not classified (based on available data, the classification criteria are not met)

**j) Aspiration Hazard:** Mixture not classified (based on available data, the classification criteria are not met)

**Information on the likely routes of exposure:** Not available.

**11.1.5 Primary route(s) of exposure/entry:**

**Eye Contact:** Causes eye irritation

**Skin Contact:** May cause skin irritation.

**Inhalation:** Not a normal route of exposure. Do not inhale

**Ingestion:** Not a normal route of exposure. Do not ingest

**11.1.6 Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact:** Adverse symptoms may include the following: Pain, watering, redness

**Inhalation:** Adverse symptoms may include the following: nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness

**Skin contact:** Adverse symptoms may include the following: pain or irritation, redness, blistering may occur

**Ingestion:** Adverse symptoms may include the following: stomach pains

**11.1.7 Delayed and immediate effects as well as chronic effects from short and long-term exposure.**

No data available

**11.1.8 Interactive effects:** No data available

**11.1.9 Absence of specific data:** Only hazardous or classified substances are listed in section 11.

**11.1.10 Mixtures :** Mixture is not toxic. See sections 5 and 10 for reactions.

**11.1.11 Mixture versus substance information :** Only hazardous or classified substances are listed in section

**11.1.12 Other information:** No known significant effects or critical hazards.

|                    |                               |
|--------------------|-------------------------------|
| <b>Section 12.</b> | <b>ECOLOGICAL INFORMATION</b> |
|--------------------|-------------------------------|

**12.1 Toxicity**

| Product/ingredient name                                               | Result                                             | Species                       | Exposure |
|-----------------------------------------------------------------------|----------------------------------------------------|-------------------------------|----------|
| propan-2-ol                                                           | Acute LC50 1400000 to 1950000 µg/l<br>Marine water | Crustaceans - Crangon crangon | 48 hours |
|                                                                       | Acute LC50 4200000 µg/l Fresh water                | Fish - Rasbora heteromorpha   | 96 hours |
| Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides | Acute LC50 0.31 mg/l                               | Fish                          | 96 hours |

**Conclusion/Summary :** Not available.

**12.2 Persistence and degradability**

| Product/ingredient name                                                             | Test                                                       | Result         | Dose | Inoculum |
|-------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|------|----------|
| Quaternary ammonium compounds, coco alkylbis (hydroxyethyl)methyl, nitrates (salts) | -                                                          | 20 % - 42 days | -    | -        |
| propan-2-ol                                                                         | 301E Ready Biodegradability - Modified OECD Screening Test | 95 % - 21 days | -    | -        |

**Conclusion/Summary :** Not available.

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| propan-2-ol             | -                 | -          | Readily          |

**12.3 Bioaccumulative potential**

| Product/ingredient name | LogP <sub>ow</sub> | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| propan-2-ol             | 0.05               | -   | low       |

**12.4 Mobility in soil**

**Soil/water partition coefficient (K<sub>oc</sub>):** Not available.

**Mobility:** Not available.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not available.

**vPvB:** Not available.

**12.6 Other adverse effects:** No known significant effects or critical hazards.

|                    |                                |
|--------------------|--------------------------------|
| <b>Section 13.</b> | <b>DISPOSAL CONSIDERATIONS</b> |
|--------------------|--------------------------------|

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**13.1 Waste treatment methods**

**13.1.1 Product / Packing Disposal**

Product

**Methods of disposal:** Offer surplus and non-recyclable solutions to a licensed disposal company

**Hazardous waste:** The classification of the product does not meet the criteria for a hazardous waste under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261

Contaminated Packaging

**Methods of disposal:** Dispose of as unused product. Waste packaging should be recycled.

**13.1.2 Waste treatment-relevant information:** Incineration or landfill should only be considered when recycling is not feasible. Handle empty containers with care because residual vapors are flammable

**13.1.3 Sewage disposal-relevant information:** Avoid release to the environment

**13.1.4 Other disposal recommendations:** Federal, State, and Local laws governing disposal of material can differ. Ensure proper disposal compliance with proper authorities before disposal.

**California Hazardous Waste List (Title 22, section 66261.126, Appendix X)**

| Chemical Name                 | California Hazardous Waste Status |
|-------------------------------|-----------------------------------|
| Isopropyl alcohol CAS#67-63-0 | Toxic; Ignitable                  |

**Section 14. TRANSPORTATION INFORMATION**

|                      | Proper Shipping Name    | Hazard Class | Packing Group | UN number | Limitations |
|----------------------|-------------------------|--------------|---------------|-----------|-------------|
| <b>US DOT ground</b> | Non Hazardous Material  | NA           | NA            | NA        | NA          |
| <b>US DOT air</b>    | Non Hazardous Material  | NA           | NA            | NA        | NA          |
| <b>IATA</b>          | Non Hazardous Material  | NA           | NA            | NA        | NA          |
| <b>IMDG</b>          | Non Hazardous Material) | NA           | NA            | NA        | NA          |

**Section 15. REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture**

SDS complies with the OSHA Hazard Communication Rule, 29 CFR 1910.1200.

CERCLA/Superfund, 40 CFR 117, 302: None of the chemicals are CERCLA hazards ---

SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:

Section 302 – Extremely hazardous substances (40 CFR 355): None of the chemicals are Section 302 hazards

Section 311/312 – SDS Requirements (40 CFR 370): By our hazard evaluation, this product is non-hazardous.

Section 313 – List of Toxic Chemicals (40CFC 372):

This product does not contain chemicals on the 313 list of Toxic Chemicals.

Toxic Substance Control Act (TSCA): **All substances are TSCA listed.**

Resource Conservation and Recovery Act (RCRA 40 CFR 261) Subpart C & D: Refer to Section 13

Federal Water Pollution Control Act, Clean Water Act, 40 CFR 401.15 (formerly section 307) 40 CFR 116 (formerly section 311): **No products listed**

**STATE REGULATIONS:**

The following chemicals are specifically listed by individual state; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state

| Chemical Name                    | New Jersey | Massachusetts | Pennsylvania |
|----------------------------------|------------|---------------|--------------|
| Isopropyl alcohol<br>CAS#67-63-0 | X          | X             | X            |

California Proposition 65: --- None of the chemicals are on the Proposition 65 list---



INTERNATIONAL REGULATIONS:

**CANADA WHMIS:**

This SDS is written in accordance to the Hazardous Products Regulation (HPR) SOR/2015-17, schedule 1.  
This product has been classified in accordance with the Hazardous Products Regulation (HPR).

All Intentionally present components are listed on the DSL

| <b>Ingredient Disclosure List (SOR/88-64):</b> |        |                   |         |           |                    |
|------------------------------------------------|--------|-------------------|---------|-----------|--------------------|
| English                                        | French | Substance         | CAS     | Threshold | Present in product |
| 904                                            | 1050   | Isopropyl alcohol | 67-63-0 | 1         | 1                  |

**EUROPEAN UNION:** SDS complies with Regulation (EU) No. 2015/830 [CLP/GHS]  
Regulation (EC) No 1005/2009 Ozone-depleting substances (ODS): Not chemicals listed.  
Regulation (EC) No 649/2012, Annex 1, Chemicals subject to PIC: No chemicals listed  
Regulation (EC) No 850/2004, Annex 1: No persistent organic pollutants present.  
Directive 96/82/EC Seveso III, Annex 1:

Part 1- This product is not categorized as a dangerous substance.  
Part 2- No chemicals listed.

REACH Directive EC1907/2006 Annex II and GHS requirements: To the best of our ability, this SDS is written in accordance to the requirements. This product is not subject to REACH restrictions. It does not contain substances that are candidates on the SvHC.

International inventories:

| Chemical Name                       | TSCA    | DSL | NDSL | ENCS | IECSC | KECL | PICCS | AICS |
|-------------------------------------|---------|-----|------|------|-------|------|-------|------|
| Isopropyl alcohol<br>CAS No 67-63-0 | Present | X   |      | x    | X     | x    | X     | X    |

**15.2 Chemical Safety Assessment:** No chemical safety assessment has been carried out

|                     |                          |
|---------------------|--------------------------|
| <b>Sections 16.</b> | <b>OTHER INFORMATION</b> |
|---------------------|--------------------------|

NFPA Health: Can cause significant irritation  
NFPA Fire: Will not burn  
NFPA Instability: Stable  
NFPA Reactivity: None



HMIS Health: Slight Hazard. Irritation or minor reversible injury possible.  
HMIS Flammability: Minimal Hazard. Will not burn unless heated.  
HMIS Reactivity: Minimal Hazard. Stable  
HMIS Personal Protection: B. Safety glasses and protective gloves should be worn when handling this material.

|   |                      |
|---|----------------------|
| 1 | HEALTH               |
| 0 | FLAMMABILITY         |
| 0 | REACTIVITY           |
| B | PROTECTIVE EQUIPMENT |

REVISION DATES, SECTIONS, REVISED BY:

15-Mar-92, Original release date  
02-APR-01, Reviewed  
17-Feb-04, New Format, mkb  
31-Jan-07 Section 11 & 12, mkb  
28-Aug-09 New address, mkb  
06-Mar-12 REACH updates, mkb  
10-DEC-14 Section 2, mkb  
13-Mar-15 Reviewed all sections, mkb  
15-Jul-15 Added GHS elements, mkb  
12-May-17 Added pictogram and REACH elements, mkb  
20-Feb-20 Reviewed all sections, mkb

ABBREVIATIONS USED IN THIS DOCUMENT: NE – Not Established, NA – Not Applicable, NIF – No Information Found

ABRIDGED LIST OF REFERENCES:

Code of Federal Regulations (CFR)

Chemical Guide and OSHA Hazardous Communication Standard

The Environmental Protection Agency ([www.epa.gov](http://www.epa.gov))

ANSI Standard: ANSI Z400.1-1998

Merck Index

Directive EC1907/2006

UN ST/SG/AC.10/30/ GHS

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