SAFETY DATA SHEET

#### Section 1 Chemical Product and Company Information

### HOME SCIENCE TOOLS

665 Carbon Street Billings, MT 59102 800-860-6272 www.homesciencetools.com CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory use only. Not for drug, food or household use.

Product IODINE-POTASSIUM IODIDE SOLUTION

Synonyms | Iodine-Iodide / Iodine Solution / Iodine / Iodine Lugol's Dilute / Gram's Iodine Solution / Iodine 2% / Dilute Lugol's Solution

#### Section 2 Hazards Identification

Signal word: WARNING

Pictograms: GHS07 / GHS09 Target organs: Thyroid, kidneys, endocrine system, skin, eyes, reproductive system. central nervous system.



#### **GHS Classification:**

Acute toxicity, oral (Category 4) Acute toxicity, inhalation (Category 4) Aquatic Acute (Category 1)

#### GHS Label information: Hazard statement(s):

H312: Harmful in contact with skin. H332: Harmful if inhaled.

H400: Very toxic to aquatic life.

Ca Prop 65 - This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

| Section 3                           | Composition / Information on Ingredients |                                     |                          |                                     |  |
|-------------------------------------|--|-------------------------------------|--------------------------|-------------------------------------|--|
| Nommé Chimique                      |  | # CAS                               | %                        | EINECS                              |  |
| Water<br>Potassium iodide<br>Iodine |  | 7732-18-5<br>7681-11-0<br>7553-56-2 | 95.10%<br>3.05%<br>1.85% | 231-791-2<br>231-659-4<br>231-442-4 |  |
| Section 4                           | First Aid Measures                       |                                     |                          |                                     |  |

Precautionary statement(s):

comfortable for breathing

P391: Collect spillage.

P261: Avoid breathing mist/vapours/spray.

P273: Avoid release to the environment.

P271: Use only outdoors or in a well-ventilated area.

P302/352: IF ON SKIN: Wash with plenty of soap and water.

P362: Take off contaminated clothing and wash before reuse.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P501: Dispose of contents/container to an approved waste disposal plant.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P304/340: IF INHALED: Remove victim to fresh air and keep at rest in a position

**INGESTION:** MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: HARMFUL IF INHALED. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. Harmful if inhaled.

EYE CONTACT: MAY CAUSE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: HARMFUL IN CONTACT WITH SKIN. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. Harmful in contact with skin.

#### Section 5 Fire Fighting Measures

Extinguishing Media: Use any media suitable for extinguishing supporting fire.

General information: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

#### Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

#### Section 7 Handling & Storage

Read label on container before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. Keep out of reach of children. Use with adequate ventilation. Wash thoroughly after handling.

Handling: Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid ingestion. Do not inhale vapors, mist or spray. Wash thoroughly after handling. Remove and wash clothing before reuse.

#### Storage: Store in a cool, well-ventilated area away from incompatible substances. Section 8 **Exposure Controls / Personal Protection** Chemical Name ACGIH (TLV) OSHA (PEL) NIOSH (REL) Exposure Limits: TWA: 0.01 ppm<sup>(IFV)</sup>/ STEL: 0.1 ppm<sup>(V)</sup> Iodine CAS # 7553-56-2 STEL: C 0.1 ppm/C 1 mg/m<sup>3</sup> STEL: C 0.1 ppm/C 1 mg/m<sup>3</sup> Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low. Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator. **Physical & Chemical Properties** Section 9 Appearance: Deep amber liquid. Evaporation rate (Water = 1): < 1 Partition coefficient: (n-octanol / water): Not applicable Odor: Characteristic odor Flammability (solid/gas): Not applicable. Auto-ignition temperature: Not applicable Odor threshold: Not applicable. Explosion limits: Lower / Upper: Not applicable Decomposition temperature: Data not available. Vapor pressure (mm Hg): 14 [water] Viscosity: Data not available. pH: Data not available Melting / Freezing point: ~ 0°C (~ 32°F) [water] Vapor density (Air = 1): 0.7 [water] Molecular formula: Mixture Boiling point: ~ 100°C (212°F) [water] Relative density (Specific gravity): 1.0 [water] Molecular weight: Mixture Flash point: Not flammable. Solubility(ies): Complete in water. Section 10 Stability & Reactivity Chemical stability: Stable Hazardous polymerization: Will not occur. Conditions to avoid: Stable under recommended storage conditions. Excessive temperatures which cause evaporation. Incompatibilities with other materials: Metals or unsaturated organic compounds, ammonia solutions or alkaline solutions of ammonia salts. Will form explosive nitrogen iodides when reacted with gaseous ammonia. Hazardous decomposition products: Toxic iodide fumes. Section 11 **Toxicological Information** Acute toxicity: Oral-Rat LD50: 14,000 mg/kg [lodine CAS # 7553-56-2] Skin corrosion/irritation: Data not available Serious eye damage/irritation: Data not available Respiratory or skin sensitization: Inhalation-rat 3.1 mg/m3 / 24 hour / 13 weeks - continuous [lodine CAS # 7553-56-2] Germ cell mutagenicity: Data not available Carcinogenity: Data not available 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. 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 NTF 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. Reproductive toxicity: Data not available STOT-single exposure: Data not available STOT-repeated exposure: Data not available Aspiration hazard: Data not available Potential health effects: Inhalation: Symptoms include cough, wheezing, and labored breathing. Symptoms may be delayed. Ingestion: Causes abdominal pain, diarrhea, nausea, and vomiting. Ingestion of levels of 2-3 grams of iodine may cause death. Skin: Contact may cause redness and pain. Eyes: Contact causes watering of the eyes, redness and pain. Signs and symptoms of exposure: Effects of short-term exposure: Lachrymator. The substance is severely irritating to the eyes and the respiratory tract, and is irritating to the skin. Inhalation of the vapor may cause asthma-like reactions. Inhalation of the vapor may cause lung edema. The effects may be delayed. Effects of long-term exposure: Repeated or prolonged contact may cause skin sensitization in rate cases. Repeated or prolonged inhalation exposure may cause asthma-like syndrome. The substance may have effects on the thyroid. Specific data not available for this mixture. Exercise appropriate procedures to minimize potential hazards... Additional information: RTECS #: NN1575000 [lodine CAS # 7553-56-2] Section 12 **Ecological Information** Toxicity to fish: Very toxic to aquatic life. Toxicity to daphnia and other aquatic invertebrates: No data available Toxicity to algae: No data available Persistence and degradability: No data available Bioaccumulative potential: No data available Mobility in soil: No data available PBT and vPvB assessment: No data available Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. **Disposal Considerations** Section 13 These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency. Section 14 Transport Information UN/NA number: None assigned Shipping name: Not Regulated. Hazard class: None assigned Marine pollutant: No Packing group: None assigned Reportable Quantity: No Exceptions: No Section 15 **Regulatory Information** A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list. WHMIS Classification RCRA code DSL NDSL Component TSCA CERLCA (RQ) lodine Listed Not listed Not listed Listed Not listed E; D2A Potassium iodide Listed Not listed Not listed Listed Not listed D2A Section 16 **Additional Information**

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure.

### SAFETY DATA SHEET

#### Section 1 Chemical Product and Company Identification

#### HOME SCIENCE TOOLS

665 Carbon Street Billings, MT 59102 800-860-6272 www.homesciencetools.com

### Page E1 of E2

#### CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory use only.

Not for drug, food or household use.

| Product IRON METAL FILINGS, DEGREASED  |   |
|--|---|
| Synonyms Iron Aggregate / Iron Filings / Iron / Iron Metal   |   |
| Section 2 Hazards Identification   |   |
| This substance or mixture has not been classified as hazardous according<br>to the Globally Harmonized System (GHS) of Classification and Labeling of<br>Chemicals.<br>Signal word: None assigned<br>Prictograms: None assigned<br>Target organs: None known<br>GHS Classification:<br>None assigned<br>GHS Label information: Hazard statement:<br>None assigned<br>Precautionary statement:<br>None assigned | Supplemental information:<br>Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wear protective<br>gloves/protective clothing/eye protection/face protection. Wash hands thoroughly<br>after handling. Get medical attention if you feel unwell. |

Ca Prop 65 - This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

| Section 3                   | Composition / Information on Ingredients |            |           |           |  |
|-----------------------------|--|------------|-----------|-----------|--|
| Chemical Name               |  | CAS #      | %         | EINECS    |  |
| Iron aggregate<br>Contains: |  | 65997-19-5 | 100%      | 266-048-1 |  |
| Iron                        |  | 1309-37-1  | >90%      |           |  |
| Carbon                      |  | 7440-44-0  | <4.0%     |           |  |
| Silicon                     |  | 7440-21-3  | <3.0%     |           |  |
| Manganese                   |  | 7439-96-5  | <0.3-1.0% |           |  |
| Chromium                    |  | 7440-47-3  | <0.0-0.2% |           |  |
|                             |  |            |           |           |  |
|                             |  |            |           |           |  |

#### Section 4 First Aid Measures

**INGESTION:** Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

#### Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical, dry sand, alcohol foam. Use any media suitable for extinguishing supporting fire

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. A fire hazard in the form of a fine dust dispersed in air or by chemical reaction with strong oxidizers can be an explosion hazard, especially when heated.

#### Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Remove all sources of ignition. Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

#### Section 7 Handling & Storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from ignition sources.

| Section 8        | Exposure Controls / Personal Protection |                                      |                  |                  |  |  |
|------------------|---|--------------------------------------|------------------|------------------|--|--|
| Exposure Limits: | Chemical Name                           | ACGIH (TLV)                          | OSHA (PEL)       | NIOSH (REL)      |  |  |
| Exposure Linits. | Particulates not otherwise specified    | TWA: 15 mg/m <sup>3</sup> Total dust | None established | None established |  |  |

**Engineering controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

| Section 9 Physical & Chemical Prop   | perties  |   |
|--|--|---|
| Appearance: Solid. Grey particles.<br>Odor: No odor.<br>Odor threshold: Data not available.<br>pH: Data not available.<br>Melting / Freezing point: 1508.49°C (2750°F)<br>Boiling point: Data not available<br>Flash point: Data not available | Evaporation rate (=1): Data not available<br>Flammability (solid/gas): Data not available.<br>Explosion limits: Lower / Upper: Data not available<br>Vapor pressure (mm Hg): Data not available<br>Vapor density (Air = 1): Data not available<br>Relative density (Specific gravity): 6.7 gm/cc<br>Solubility(ies): Insoluble in water. | Partition coefficient: Data not available<br>Auto-ignition temperature: Data not available<br>Decomposition temperature: Data not available.<br>Viscosity: Data not available.<br>Molecular formula: Mixture<br>Molecular weight: Mixture |
| Section 10 Stability & Reactivity  |  |   |

Chemical stability: Stable

Hazardous polymerization: Will not occur.

Conditions to avoid: Excessive temperatures, heat, sparks, open flame and other sources of ignition. Acids.

Incompatible materials: Strong oxidizers, organic acids, mineral acids, water.

Hazardous decomposition products: None known

#### Section 11 Toxicological Information

Acute toxicity: Data not available

Skin corrosion/irritation: Data not available Serious eye damage/irritation: Data not available

Respiratory or skin sensitization: Data not available

Germ cell mutagenicity: Data not available

Carcinogenity: Data not available

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.

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.

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.

Reproductive toxicity: Data not available

STOT-single exposure: Data not available

STOT-repeated exposure: Data not available

Aspiration hazard: Data not available

Potential health effects:

Inhalation: Inhalation may cause respiratory tract irritation.

Ingestion: No hazard known.

Skin: Contact with skin causes irritation.

Eyes: Contact may cause mechanical irritation and possible scratches to surface of the eye.

Signs and symptoms of exposure: See Potential health effects above.

Additional information: RTECS #: Data not available

Section 12

#### Ecological Information

Toxicity to fish: No data available

| Toxicity to | daphnia a | and other | aquatic | invertebrates: | No | data | availab | le |
|-------------|-----------|-----------|---------|----------------|----|------|---------|----|
|             | •         |           | •       |                |    |      |         |    |

Toxicity to algae: No data available

Persistence and degradability: No data available Mobility in soil: No data available Bioaccumulative potential: No data available PBT and vPvB assessment: No data available

| Р | ВΙ | and | vPvB | assessment: | No data available |
|---|----|-----|------|-------------|-------------------|
|   |    |     |      |             |                   |

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Section 13 Disposal Considerations

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency. Section 14 Transport Information (US DOT / CANADA TDG)

| UN/NA number:<br>Hazard class: No<br>Exceptions: Not   | ot applicable               | Shipping name: N<br>Packing group: No<br>2012 ERG Guide # | ot applicable             | Reportable Qu | antity: No | Mari       | ine pollutant: No |  |
|--|-----------------------------|---|---------------------------|---------------|------------|------------|-------------------|--|
| Section 15   | Regulatory Informat         | ion   |                           |               |            |            |                   |  |
| A chemical is considered   | to be listed if the CAS num | ber for the anhydrous form i                              | is on the Inventory list. |               |            |            |                   |  |
| Compone  | nt                          | TSCA  | CERLCA (RQ)               | RCRA code     | DSL        | NDSL       |                   |  |
| Iron aggregate   |                             | Listed  | Not listed                | Not listed    | Listed     | Not listed |                   |  |
| Section 16   | Other Information           |   |                           |               |            |            |                   |  |
| The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make indepen |                             |   |                           |               |            |            |                   |  |

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.

Revision 06/2015





# Fafard, Inc. 1471 Amity Road Anderson, SC 29621

# In Case of Emergency, Call 1-800-722-7645

# 1. PRODUCT IDENTIFICATION

Product Name(s): Design Code: Description: Fafard Canadian Sphagnum Peat Moss Not Assigned Soilless Planting Mix

Section(s) Revised: 2, 7

# 2. HAZARDS IDENTIFICATION

## Hazards Overview

Dust may cause temporary eye or respiratory irritation. May form flammable dust-air mixture.

### Hazardous Decomposition Products

None.

# Physical Properties

Appearance: Brownish

Odor: Soil-like

### Unusual Fire, Explosion and Reactivity Hazards

None. Burning generates normal products of combustion.

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Material  | OSHA<br>PEL | ACGIH<br>TLV | Other | NTP/IARC/OSHA<br>Carcinogen |
|-----------|-------------|--------------|-------|-----------------------------|
| Peat Moss |             | See Note     |       | No                          |

Note: Specific occupational exposure limits have not been set for this ingredient. Fafard recommends applying the current ACGIH TLV for "Particles, Not Otherwise Specified (PNOS). The current TLV is 3 mg/m<sup>3</sup> respirable particles, and 10 mg/m<sup>3</sup> inhalable particles. The current OSHA PEL is 5 mg/m<sup>3</sup> respirable dust and 15 mg/m<sup>3</sup> total dust. Both limits assume the dust contains no asbestos and < 1 % crystalline silica.

### 4. FIRST AID MEASURES

Have the product container, label or Material Safety Data Sheet with you when calling a poison control center or doctor, or going for treatment.

Ingestion: Drink water to clear throat.

Eye Contact: Rinse eyes with water.

Skin Contact: No harmful effects anticipated.

Inhalation: Blow nose to clear nasal passages.

Notes to Physician

No special considerations

Medical Condition Likely to be Aggravated by Exposure

None known

### 5. FIRE FIGHTING MEASURES

### Fire and Explosion

Flash Point (Test Method): Not applicable

Flammable Limits (% in Air): Not applicable

Autoignition Temperature: Not applicable

Flammability: This material contains a high percentage of organic matter and will burn slowly. If ignited, the interior portion of the pile may continue to burn when the surface fire appears to be extinguished.

#### Unusual Fire, Explosion and Reactivity Hazards

No unusual hazards. Burning generates normal products of combustion. This material is packaged in plastic bags which are far more flammable than the material itself.

In Case of Fire

Extinguish with water, CO<sub>2</sub>, dry chemical foam or mud. If plastic bags are burning, treat as an oil fire.

### 6. ACCIDENTAL RELEASE MEASURES

### In Case of Spill or Leak

Sweep up or use any other conventional cleaning method. Avoid creating excessive dust.

### 7. HANDLING AND STORAGE

Avoid creating excessive dust during handling. No special storage requirements.

This material is capable of forming flammable dust clouds in air, which, if ignited, can produce a dust cloud explosion. Flames, hot surfaces and mechanical sparks can serve as ignition sources for this material. Electrical equipment should be compatible with the flammability characteristics of this material.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingestion: Avoid eating, drinking and smoking while handling this product. Wash hands and face before eating, drinking or smoking.

Eye Contact: Assess the exposure potential and wear appropriate eye protection (e.g. safety glasses, dust-proof goggles) against airborne dust.

Skin Contact: Wash hands and face after use. Shower at the end of the day.

Inhalation: Use good handling practices to minimize dust. Use local exhaust ventilation to meet the recommended occupational exposure limit. If exposure is excessive, use any NIOSH Class N95 particulate filter respirator.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brownish

Odor: Soil-like

Melting Point: Not applicable

Boiling Point: Not applicable

Specific Gravity/Density: Not available

pH: Neutral

Solubility in H2O

Not applicable

Vapor Pressure

Not applicable

## 10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: None known

Materials to Avoid: None known

Hazardous Decomposition Products: Hazardous decomposition will not occur. Burning produces normal products of combustion.

# 11. TOXICOLOGICAL INFORMATION

No specific toxicity testing has been conducted on this product. All ingredients are classified by ACGIH as "Particles (insoluble or poorly soluble), Not Otherwise Specified (PNOS) and have the following properties: 1) do not have an applicable TLV ®, 2) are insoluble or poorly soluble in water; and 3) have low toxicity (i.e. are not cytotoxic, or otherwise chemically reactive with lung tissue, do not emit ionizing radiation, or cause toxic effects other than by inflammation or the mechanism of "lung overload").

Excessive concentrations of PNOS dusts in air can reduce visibility, cause unpleasant deposits of dust in the eyes, ears or nasal passages, and result in temporary irritation. Repeated handling or contact may also result in drying of the skin or slight skin abrasions as might occur with any plant or mineral dust.

### 12. ECOLOGICAL INFORMATION

All ingredients are naturally-occurring plant or mineral materials that present no ecological concerns when

handled in normal planting applications.

### **13. DISPOSAL CONSIDERATIONS**

Disposal: Conventional sanitary landfill. Follow Federal, State and Local regulations.

Hazardous Waste Classification: Not applicable

### 14. TRANSPORT INFORMATION

DOT Classification: Ground/Air Transport – NAFTA Not regulated.

<u>Water/Air Transport – International</u>: Not regulated.

### **15. REGULATORY INFORMATION**

#### EPCRA SARA Title III Classification

Section 311/312/ Hazard Classes: Not applicable

Section 313 Toxic Chemicals: Not applicable

CERCLA/SARA 302 Reportable Quantity (RQ)

Not applicable

RCRA Hazardous Waste Classification (40 CFR 261)

Not applicable

**TSCA Status** 

All ingredients are either listed on the TSCA Inventory or are exempt from listing.

### **16. OTHER INFORMATION**

NFPA Hazard Ratings Health: 1 Flammability: 1 Instability: 0 HMIS Hazards Ratings Health: 1 Flammability: 1 Reactivity: 0

0 Minimal 1 Slight 2 Moderate 3 Serious 4 Extreme

For non-emergency questions about this product call: 1-800-722-7645.

Original Issued Date: 4 August 2010

Revision Date: 16 May 2011

Replaces:

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.

End of MSDS.

HOME SCIENCE TOOLS 665 Carbon Street Billings, MT 59102 800-860-6272 www.homesciencetools.com

### CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300

| Product                      | GS-PLASTER                                     |  |  |  |
|------------------------------|--|--|--|--|
| Synonyms                     | Plaster of Paris / Calcium Sulfate Hemihydrate |  |  |  |
| Section 2                    | Hazards Identification                         |  |  |  |
| Signal word: Not classified. |  |  |  |  |
|                              |  |  |  |  |

Pictograms: GHS07/ GHS08 Target organs: None known.



Ca Prop 65 - WARNING! This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm. Section 3 Composition / Information on Ingredients

| Chemical Name                | CAS Number | %    |
|------------------------------|------------|------|
| Calcium sulfate, hemihydrate | 26499-65-0 | >90% |

#### Section 4 First Aid Measures

SKIN: Wash exposed area with mild soap and water. If irritation persists, seek medical attention.

**EYES:** Flush eyes with water for at least 15 minutes, lifting upper and lower lids occasionally. Seek Medical Aid. **INHALATION**: Remove to fresh air. If not breathing, give artificial respiration.

**INGESTION:** Call a physician or Poison Control Center immediately.

### Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Nonflammable, non-combustible solid. Use any media suitable for extinguishing supporting fire. Special Fire Fighting Procedures: Wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Fire and Explosion Hazards: When heated to decomposition (above 1400°F), emits toxic fumes of oxides of sulfur and calcium oxide as dust.

#### Section 6

#### Accidental Release Measures

Personal Precautions: Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation. Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways. Containment and Cleanup: Recover for use if not contaminated. Avoid creating excessive dust. Sweep up and place in a suitable container for proper disposal. Wash spill area with soap and water.

#### Section 7 Handing and Storage

**Precautions for Safe Handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, or dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse. **Conditions for Safe Storage:** Store in a cool dry place. Wash thoroughly after handling.

#### **Section 8**

#### **Exposure Controls / Personal Protection**

Threshold Limit Value: NIOSH REL: TWA 10mg/m3 (total);

NIOSH REL TWA 5mg/m3 (respiratory)

**Respiratory Protection:** None should be needed in normal conditions. If dusty conditions prevail, use a NIOSH/MSHA-approved dusk mask.

Ventilation: Local exhaust or Mechanical

Protective Gloves: None required but recommended for repeated exposure.

Eye Protection: Chemical safety goggles.

Other Protective Equipment: Goggles, smock, apron, proper gloves, eyewash station, ventilation hood.

| Section 9             | Physical & Chemical Properties |                          |  |  |
|-----------------------|--------------------------------|--------------------------|--|--|
| Physical State: Solid | Boiling                        | Point: N/A               |  |  |
| Appearance: White pov | der Vapor p                    | oressure (mm Hg): 0 mmHg |  |  |
| Odor: No odor         | Solubili                       | ty in Water: 0.3% at 77° |  |  |
| Melting Point: N/A    | Specific                       | c gravity: 2.5           |  |  |

# Section 10 Stability & Reactivity

Chemical stability: Stable

Conditions to avoid: Protect from moisture - sets to a hardened mass.

Incompatible materials: Acids. Strong oxidizers, bases.

Hazardous decomposition products: When heated to decomposition (above 1400°F), emits toxic fumes of oxides of sulfur and calcium oxide as dust.

Hazardous polymerization: Will not occur.

#### Section 11 Toxicological Information

**Effects of Overexposure:** May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

### Section 12 Ecological Information

No data available.

### Section 13 Disposal Considerations

Follow local, state, and federal regulations.

#### Section 14

Transport Information

D.O.T. Classification: Not regulated. UN Number: N/A Shipping Name: Not regulated. Hazard Class: N/A Packing Group: N/A Marine Pollutant: No Exceptions: N/A

### Section 15 Regulatory Information

No specific safety, health or environmental regulations.

### Section 16 Additional Information

The information contained herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty is expressed or implied regarding the completeness or accuracy of this information, whether originating from Home Science Tools or from an alternate source.

Revision Date: July 2, 2015

Supersedes: September 23, 2009

SDS No.: PP0160

Section 1 Chemical Product and Company Information

1% PHENOLPHTHALEIN IN ISOPROPYL ALCOHOL SOLUTION

### HOME SCIENCE TOOLS

665 Carbon Street Billings, MT 59102 800-860-6272 www.homesciencetools.com

Product

# CHEMTREC 24 Hour Emergency

Phone Number (800) 424-9300 For laboratory use only.

Not for drug, food or household use.

| Synonyms 1% Phenolphthalein in IPA  |  |
|---|--|
| Section 2 Hazards Identification  |  |
| <ul> <li>Signal word: DANGER</li> <li>Pictograms: GHS02 / GHS07 / GHS08</li> <li>Target organs: Central nervous system, Liver, Kidneys.</li> <li>Image: Signal Word: System, Liver, Kidneys.</li> <li>Image: Signal Word: System, Liver, Kidneys.</li> <li>CHS Classification:</li> <li>Flammable liquid (Category 2)</li> <li>Eye irritation (Category 2)</li> <li>STOT-SE (Category 2)</li> <li>Mutagenicity (Category 2)</li> <li>Carcinogen (Category 1B)</li> <li>Reproductive toxicity (Category 2)</li> <li>Cates erious eye irritation.</li> <li>H325: Highly flammable liquid and vapour.</li> <li>H319: Causes serious eye irritation.</li> <li>H336: May cause drowsiness or dizziness.</li> <li>H341: Suspected of causing genetic defects.</li> <li>H350: May cause cancer.</li> <li>H361: Suspected of damaging fertility.</li> </ul> | Precautionary statement(s):         P201: Obtain special instructions before use.         P202: Do not handle until all safety precautions have been read and understood.         P210: Keep away from heat/sparks/open flames/hot surfaces No smoking.         P233: Keep container tightly closed.         P240: Ground/bond container and receiving equipment.         P241: Use explosion-proof electrical/ventilating/lighting equipment.         P242: Use only non-sparking tools.         P243: Take precautionary measures against static discharge.         P260: Do not breathe fume/gas/mist/vapours/spray.         P264: Wash hands thoroughly after handling.         P271: Use only outdoors or in a well-ventilated area.         P280: Wear protective gloves/protective clothing/eye protection/face protection.         P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.         P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.         P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.         Remove contact lenses, if present and easy to do. Continue rinsing.         P312: Call a POISON CENTER or doctor/physician if you feel unwell.         P308+P313: If exposed or concerned: Get medical advice/attention.         P362: Take off contaminated clothing and wash before reuse.         P370+P378: In case of fire: Use dry chemical, alcohol fo |

Ca Prop 65 - WARNING! This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

| Section 3         | Composition / Information on | Ingredients |     |           |  |
|-------------------|------------------------------|-------------|-----|-----------|--|
| Chemical Name     |                              | CAS #       | %   | EINECS    |  |
| Isopropyl alcohol |                              | 67-63-0     | 70% | 200-661-7 |  |
| Water             |                              | 7732-18-5   | 29% | 231-791-2 |  |
| Phenolphthalein   |                              | 77-09-8     | 1%  | 201-004-7 |  |
|                   |                              |             |     |           |  |
|                   |                              |             |     |           |  |
|                   |                              |             |     |           |  |
|                   |                              |             |     |           |  |
|                   |                              |             |     |           |  |
|                   |                              |             |     |           |  |
| Section 4         | First Aid Measures           |             |     |           |  |

**INGESTION:** MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY BE HARMFUL. IF INHALED. CAUSES RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

#### Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical, dry sand, alcohol foam.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors formed from this product are heavier than air and may travel along the ground to a distant source of ignition and flash back instantly. Flame may not be visible in daylight.

#### Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Remove all sources of ignition. Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

#### Section 7 Handling & Storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from ignition sources.

| Section 8        | Exposure Controls / Personal Pro | tection                      |                                      |                              |
|------------------|----------------------------------|------------------------------|--------------------------------------|------------------------------|
| Exposure Limits: | Chemical Name                    | ACGIH (TLV)                  | OSHA (PEL)                           | NIOSH (REL)                  |
| Exposure Linits. | Isopropanol                      | TWA: 200 ppm / STEL: 400 ppm | TWA: 400 ppm / 980 mg/m <sup>3</sup> | TWA: 400 ppm / STEL: 500 ppm |

**Engineering controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

| Section 9   |  |   |  |  |   |  |   |
|---|--|---|--|--|---|--|---|
|   | Physical & Chemical Prop   | perties   |  |  |   |  |   |
| Odor: Aromatic o<br>Odor threshold:<br>pH: Data not avai<br>Melting / Freezing p<br>Boiling point: App  | Data not available.  | Flammability (s<br>Explosion limit<br>Vapor pressure<br>Vapor density<br>Relative density   | te (Butyl acetate = 1)<br>solid/gas): Data not a<br>ss: Lower / Upper: 2<br>e (mm Hg): 33 mm @<br>(Air = 1): 2.1 [Pure IF<br>Specific gravity): 0.8*<br>Complete in water.   | available.<br>% / 12% [Pure IPA]<br>20°C [Pure IPA]  | Auto-ignitio<br>Decompos<br>Viscosity:<br>Molecular   | n temperature: 399°0   |   |
| Section 10  | Stability & Reactivity   |   |  |  |   |  |   |
| Chemical stabilit<br>Conditions to av   | y: Stable<br>oid: Excessive temperatures, hea  |   | us polymerization: Notes and other sources   |  |   |  |   |
| Incompatible ma   | terials: Strong oxidizing materials  | , caustics, alumin  | ums, metals, nitroform   | n, oleum, chlorinated  | compounds of  | can react vigorously   | with this alcohol.  |
| Hazardous deco  | mposition products: Oxides of ca   | arbon.  |  |  |   |  |   |
| Section 11  | Toxicological Information  | I   |  |  |   |  |   |
| IARC classified: O<br>OSHA: No compo<br>Reproductive to:<br>STOT-single exp<br>STOT-repeated e<br>Aspiration hazar<br>Potential health<br>Inhalation: Inhala  | anticipated to be a human carcino<br>Group 2B: Possibly carcinogenic to<br>onent of this product present at leve<br><b>xicity:</b> Data not available<br><b>osure:</b> The substance or mixture<br><b>exposure:</b> Data not available<br><b>rd:</b> Yes   | humans. [Phenol<br>els greater than or<br>is classified as sp<br>nay cause central  | phthalein]<br>equal to 0.1% is iden<br>ecific target organ tox<br>nervous system depre   | icant, single exposu   | e, category 3   | with narcotic effects  | S.  |
| Ingestion: Aspirat<br>develop if this occ<br>Skin: Prolonged of<br>Eyes: Contact ca<br><b>Signs and sympt</b>   | or repeated contact may cause irrit<br>uses burning sensation, redness, s<br>toms of exposure: See Potential   | ter the lungs (aspi<br>ation and drying,<br>swelling, and/or bl<br>health effects abo   | rated) when swallowe<br>cracking and defatting<br>urred vision.<br>ove.  | of the skin which ca   | 0   | ge and possible fata   |   |
| Ingestion: Aspiral<br>develop if this occ<br>Skin: Prolonged of<br>Eyes: Contact ca<br>Signs and sympt<br>Additional inform<br>Section 12   | curs.<br>or repeated contact may cause irrit<br>uses burning sensation, redness, s<br>toms of exposure: See Potential<br>nation: RTECS #: NT8050000 [Is<br>Ecological Information  | ter the lungs (aspi<br>ation and drying,<br>swelling, and/or bl<br>health effects abc<br>sopropanol] / SM8  | rated) when swallowe<br>cracking and defatting<br>urred vision.<br>ove.<br>380000 [Phenolphtha   | of the skin which ca<br>lein]  | 0   | ge and possible fata   | <u>.</u>  |
| Ingestion: Aspiral<br>develop if this occ<br>Skin: Prolonged of<br>Eyes: Contact ca<br>Signs and symp<br>Additional inform<br>Section 12<br>Toxicity to fish:<br>Toxicity to fish:<br>Toxicity to algae<br>Persistence and<br>Mobility in soil:<br>Other adverse ef   | curs.<br>or repeated contact may cause irrit<br>iuses burning sensation, redness, s<br>toms of exposure: See Potential<br>nation: RTECS #: NT8050000 [Is<br>Ecological Information<br>Pimephales promelas (Fish, fresh<br>nia and other aquatic invertebrat<br>: Scenedesmus quadricauda (Alga<br>degradability: No data available<br>No data available<br>fects: An environmental hazard co   | ter the lungs (aspi<br>ation and drying,<br>swelling, and/or bl<br>health effects abc<br>sopropanol] / SM8<br>water) LC50: 9644<br>es: Daphnia mag<br>e), LOEC50 = 1,8<br>Bioaccum<br>PBT and vi  | rated) when swallowe<br>cracking and defatting<br>urred vision.<br>ye.<br>380000 [Phenolphtha<br>0 mg/l/96 hours [Isopro-<br>na (Crustacia), EC50<br>00 mg/l/7 days [Isopro-<br>lative potential: No<br>PvB assessment: No   | of the skin which ca<br>lein]<br>=>10,000 mg/l/24 h<br>panol]<br>data available<br>o data available  | un lead to derr   | ge and possible fata   |   |
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| Ingestion: Aspiral<br>develop if this occ<br>Skin: Prolonged of<br>Eyes: Contact ca<br>Signs and symp<br>Additional inform<br>Section 12<br>Toxicity to fish:<br>Toxicity to fish:<br>Toxicity to algae<br>Persistence and<br>Mobility in soil:<br>Other adverse ef<br>Section 13<br>These disposal<br>regulations may<br>Section 14<br>UN/NA number<br>Hazard class:<br>Exceptions: L  | curs.<br>or repeated contact may cause irrit<br>iuses burning sensation, redness, s<br>toms of exposure: See Potential<br>nation: RTECS #: NT8050000 [Is<br>Ecological Information<br>Pimephales promelas (Fish, fresh<br>nia and other aquatic invertebrat<br>is Scenedesmus quadricauda (Alga<br>degradability: No data available<br>No data available<br>fects: An environmental hazard ca<br>Disposal Considerations<br>guidelines are intended for the<br>be different. Dispose of in acc<br>Transport Information<br>r: UN1219 Shipping<br>3 Packing g<br>imited quantity equal to or less   | ter the lungs (aspi<br>ation and drying,<br>swelling, and/or bl<br>health effects abc<br>sopropanol] / SM8<br>water) LC50: 9644<br>es: Daphnia mag<br>e), LOEC50 = 1,8<br>Bioaccum<br>PBT and vl<br>annot be excluded<br>disposal of catal<br>ordance with all<br>name: Isoproj<br>group: II  | rated) when swallowe<br>cracking and defatting<br>urred vision.<br>ye.<br>380000 [Phenolphtha<br>0 mg/l/96 hours [Isopro-<br>na (Crustacia), EC50 -<br>00 mg/l/7 days [Isopro-<br>lative potential: No<br>PvB assessment: No<br>d in the event of unpro-<br>log-size quantities o<br>local, state and fede-<br>banol solution<br><b>Reportal</b>   | of the skin which ca<br>lein]<br>= >10,000 mg/l/24 he<br>panol]<br>data available<br>fessional handling o<br>nly. Federal regul<br>eral regulations or   | n lead to derr<br>burs [Isopropa<br>r disposal.<br>ations may a<br>contract with                  | ge and possible fata<br>natitis.<br>anol]<br>apply to empty cor<br>a a licensed chem                               | al chemical pneumonia can<br>ntainer. State and/or loca<br>nical disposal agency.   |
| Ingestion: Aspiral<br>develop if this occ<br>Skin: Prolonged of<br>Eyes: Contact ca<br>Signs and symp<br>Additional inform<br>Section 12<br>Toxicity to fish:<br>Toxicity to dapher<br>Toxicity to algae:<br>Persistence and<br>Mobility in soil:<br>Other adverse ef<br>Section 13<br>These disposal<br>regulations may<br>Section 14<br>UN/NA number<br>Hazard class:<br>Exceptions: L<br>Section 15                        | curs.<br>or repeated contact may cause irrit<br>iuses burning sensation, redness, s<br>toms of exposure: See Potential<br>mation: RTECS #: NT8050000 [Is<br>Ecological Information<br>Pimephales promelas (Fish, fresh<br>nia and other aquatic invertebrat<br>: Scenedesmus quadricauda (Alga<br>degradability: No data available<br>No data available<br>fects: An environmental hazard ca<br>Disposal Considerations<br>guidelines are intended for the<br>be different. Dispose of in acc<br>Transport Information<br>r: UN1219<br>Shipping<br>3 Packing g   | ter the lungs (aspi<br>ation and drying,<br>swelling, and/or bl<br>health effects abo<br>sopropanol] / SM8<br>water) LC50: 9644<br>es: Daphnia mag<br>e), LOEC50 = 1,8<br>Bioaccumu<br>PBT and vi<br>annot be excluded<br>disposal of catal<br>ordance with all<br>name: Isoprop<br>group: II<br>s than 1 L<br>the anhydrous form                   | rated) when swallowe<br>cracking and defatting<br>urred vision.<br>bye.<br>380000 [Phenolphtha<br>0 mg/l/96 hours [Isopro-<br>na (Crustacia), EC50<br>00 mg/l/7 days [Isopro-<br>ulative potential: No<br>PvB assessment: No<br>d in the event of unpro-<br>log-size quantities o<br>local, state and fed-<br>banol solution<br>Reportal<br>ERG Gui  | of the skin which ca<br>lein]<br>= >10,000 mg/l/24 he<br>panol]<br>data available<br>fessional handling o<br>nly. Federal regul<br>eral regulations or   | n lead to derr<br>burs [Isopropa<br>r disposal.<br>ations may a<br>contract with                  | ge and possible fata<br>natitis.<br>anol]<br>upply to empty cor<br>n a licensed chem<br>Mari                       | ntainer. State and/or loca<br>nical disposal agency.  |
| Ingestion: Aspiral<br>develop if this occ<br>Skin: Prolonged of<br>Eyes: Contact ca<br>Signs and symp<br>Additional inform<br>Section 12<br>Toxicity to fish:<br>Toxicity to fish:<br>Toxicity to dapher<br>Persistence and<br>Mobility in soil:<br>Other adverse ef<br>Section 13<br>These disposal<br>regulations may<br>Section 14<br>UN/NA number<br>Hazard class:<br>Exceptions: L<br>Section 15<br>A chemical is consid | curs.<br>or repeated contact may cause irrit<br>iuses burning sensation, redness, s<br>toms of exposure: See Potential<br>nation: RTECS #: NT8050000 [Is<br>Ecological Information<br>Pimephales promelas (Fish, fresh<br>nia and other aquatic invertebrat<br>: Scenedesmus quadricauda (Alga<br>degradability: No data available<br>No data available<br>fects: An environmental hazard ca<br>Disposal Considerations<br>guidelines are intended for the<br>be different. Dispose of in acc<br>Transport Information<br>r: UN1219 Shipping<br>3 Packing g<br>imited quantity equal to or less<br>Regulatory Information<br>ered to be listed if the CAS number for | ter the lungs (aspi<br>ation and drying,<br>swelling, and/or bl<br>health effects abo<br>sopropanol] / SM8<br>water) LC50: 9640<br>es: Daphnia mag<br>e), LOEC50 = 1,8<br>Bioaccumu<br>PBT and vi<br>annot be excluded<br>disposal of catal<br>ordance with all<br>name: Isoproj<br>group: II<br>s than 1 L<br>the anhydrous form<br>TSCA           | rated) when swallowe<br>cracking and defatting<br>urred vision.<br>bye.<br>380000 [Phenolphtha<br>0 mg/l/96 hours [Isopro-<br>na (Crustacia), EC50<br>00 mg/l/7 days [Isopro-<br>ulative potential: No<br>PvB assessment: No<br>d in the event of unpro-<br>log-size quantities o<br>local, state and fed-<br>banol solution<br><b>Reportal</b><br><b>ERG Gui</b><br>is on the Inventory list.<br><b>CERLCA (RQ)</b>               | of the skin which ca<br>lein]<br>= >10,000 mg/l/24 h<br>panol]<br>data available<br>fessional handling o<br>nly. Federal regulations or<br>left Quantity: No<br>lde # 129<br>RCRA code   | n lead to derr<br>burs [Isopropa<br>r disposal.<br>ations may a<br>contract with                  | ge and possible fata<br>natitis.<br>nol]<br>upply to empty cor<br>n a licensed chem<br>Mari<br>NDSL                | al chemical pneumonia can<br>ntainer. State and/or loca<br>nical disposal agency.<br>ine pollutant: No<br>WHMIS Classification            |
| Ingestion: Aspiral<br>develop if this occ<br>Skin: Prolonged of<br>Eyes: Contact ca<br>Signs and symp<br>Additional inform<br>Section 12<br>Toxicity to fish:<br>Toxicity to fish:<br>Toxicity to dapher<br>Persistence and<br>Mobility in soil:<br>Other adverse ef<br>Section 13<br>These disposal<br>regulations may<br>Section 14<br>UN/NA number<br>Hazard class:<br>Exceptions: L<br>Section 15<br>A chemical is consid | curs.<br>or repeated contact may cause irrit<br>iuses burning sensation, redness, s<br>toms of exposure: See Potential<br>nation: RTECS #: NT8050000 [Is<br>Ecological Information<br>Pimephales promelas (Fish, fresh<br>nia and other aquatic invertebrat<br>: Scenedesmus quadricauda (Alga<br>degradability: No data available<br>No data available<br>fects: An environmental hazard ca<br>Disposal Considerations<br>guidelines are intended for the<br>be different. Dispose of in acc<br>Transport Information<br>r: UN1219 Shipping<br>3 Packing g<br>imited quantity equal to or less<br>Regulatory Information<br>ered to be listed if the CAS number for | ter the lungs (aspi<br>ation and drying,<br>swelling, and/or bl<br>health effects abo<br>sopropanol] / SM8<br>water) LC50: 9644<br>es: Daphnia mag<br>e), LOEC50 = 1,8<br>Bioaccumu<br>PBT and vi<br>annot be excluded<br>disposal of catal<br>ordance with all<br>name: Isoprop<br>group: II<br>s than 1 L<br>the anhydrous form                   | rated) when swallowe<br>cracking and defatting<br>urred vision.<br>bye.<br>380000 [Phenolphtha<br>0 mg/l/96 hours [Isopro-<br>na (Crustacia), EC50<br>00 mg/l/7 days [Isopro-<br>lative potential: No<br>PvB assessment: No<br>d in the event of unpro-<br>log-size quantities o<br>local, state and fed-<br>banol solution<br><b>Reportal</b><br><b>ERG Gui</b><br>is on the Inventory list.                                      | of the skin which ca<br>lein]<br>= >10,000 mg/l/24 h<br>ppanol]<br>data available<br>fessional handling o<br>nly. Federal regul<br>eral regulations or<br>ole Quantity: No<br>ide # 129  | n lead to derr<br>burs [Isopropa<br>r disposal.<br>ations may a<br>contract with                  | ge and possible fata<br>natitis.<br>anol]<br>upply to empty cor<br>n a licensed chem<br>Mari                       | al chemical pneumonia can<br>ntainer. State and/or local<br>nical disposal agency.  |
| Ingestion: Aspiral<br>develop if this occ<br>Skin: Prolonged of<br>Eyes: Contact ca<br>Signs and sympi<br>Additional inform<br>Section 12<br>Toxicity to fish:<br>Toxicity to dapar<br>Persistence and<br>Mobility in soil:<br>Other adverse ef<br>Section 13<br>These disposal<br>regulations may<br>Section 14<br>UN/NA number<br>Hazard class:<br>Exceptions: L<br>Section 15<br>A chemical is consid<br>Compo             | curs.<br>or repeated contact may cause irrit<br>iuses burning sensation, redness, s<br>toms of exposure: See Potential<br>nation: RTECS #: NT8050000 [Is<br>Ecological Information<br>Pimephales promelas (Fish, fresh<br>nia and other aquatic invertebrat<br>: Scenedesmus quadricauda (Alga<br>degradability: No data available<br>No data available<br>fects: An environmental hazard ca<br>Disposal Considerations<br>guidelines are intended for the<br>be different. Dispose of in acc<br>Transport Information<br>r: UN1219 Shipping<br>3 Packing g<br>imited quantity equal to or less<br>Regulatory Information<br>ered to be listed if the CAS number for | ter the lungs (aspi<br>ation and drying,<br>swelling, and/or bl<br>health effects abo<br>sopropanol] / SM8<br>water) LC50: 9644<br>es: Daphnia mag<br>e), LOEC50 = 1,8<br>Bioaccum.<br>PBT and vi<br>annot be excluded<br>disposal of catal<br>ordance with all<br>name: Isoprop<br>group: II<br>s than 1 L<br>the anhydrous form<br>TSCA<br>Listed | rated) when swallowe<br>cracking and defatting<br>urred vision.<br>yee.<br>380000 [Phenolphtha<br>0 mg/l/96 hours [Isopro-<br>na (Crustacia), EC50 -<br>00 mg/l/7 days [Isopro-<br>lative potential: No<br>PvB assessment: No<br>d in the event of unpro-<br>log-size quantities o<br>local, state and fed<br>banol solution<br><b>Reportal</b><br><b>ERG Gui</b><br>is on the Inventory list.<br><b>CERLCA (RQ)</b><br>Not listed | of the skin which ca<br>lein]<br>= >10,000 mg/l/24 he<br>panol]<br>data available<br>fessional handling o<br>nly. Federal regul<br>eral regulations or<br><b>ble Quantity:</b> No<br>ide # 129<br><b>RCRA code</b><br>Not listed | n lead to derr<br>burs [Isopropa<br>r disposal.<br>ations may a<br>contract with<br>DSL<br>Listed | ge and possible fata<br>natitis.<br>anol]<br>upply to empty cor<br>n a licensed chem<br>Mari<br>NDSL<br>Not listed | al chemical pneumonia can<br>ntainer. State and/or loca<br>nical disposal agency.<br>ine pollutant: No<br>WHMIS Classificatior<br>B2; D2B |

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.