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 Potassium iodide Iodine		7732-18-5 7681-11-0 7553-56-2	95.10% 3.05% 1.85%	231-791-2 231-659-4 231-442-4	
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^(IFV)/ STEL: 0.1 ppm^(V) Iodine CAS # 7553-56-2 STEL: C 0.1 ppm/C 1 mg/m³ STEL: C 0.1 ppm/C 1 mg/m³ 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 to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals. Signal word: None assigned Prictograms: None assigned Target organs: None known GHS Classification: None assigned GHS Label information: Hazard statement: None assigned Precautionary statement: None assigned	Supplemental information: Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly 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 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 ³ 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. Odor: No odor. Odor threshold: Data not available. pH: Data not available. Melting / Freezing point: 1508.49°C (2750°F) Boiling point: Data not available Flash point: Data not available	Evaporation rate (=1): Data not available Flammability (solid/gas): Data not available. Explosion limits: Lower / Upper: Data not available Vapor pressure (mm Hg): Data not available Vapor density (Air = 1): Data not available Relative density (Specific gravity): 6.7 gm/cc Solubility(ies): Insoluble in water.	Partition coefficient: Data not available Auto-ignition temperature: Data not available Decomposition temperature: Data not available. Viscosity: Data not available. Molecular formula: Mixture 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: Hazard class: No Exceptions: Not	ot applicable	Shipping name: N Packing group: No 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 PEL	ACGIH TLV	Other	NTP/IARC/OSHA 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/m³ respirable particles, and 10 mg/m³ inhalable particles. The current OSHA PEL is 5 mg/m³ respirable dust and 15 mg/m³ 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, CO₂, 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	
 Signal word: DANGER Pictograms: GHS02 / GHS07 / GHS08 Target organs: Central nervous system, Liver, Kidneys. Image: Signal Word: System, Liver, Kidneys. Image: Signal Word: System, Liver, Kidneys. CHS Classification: Flammable liquid (Category 2) Eye irritation (Category 2) STOT-SE (Category 2) Mutagenicity (Category 2) Carcinogen (Category 1B) Reproductive toxicity (Category 2) Cates erious eye irritation. H325: Highly flammable liquid and vapour. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness. H341: Suspected of causing genetic defects. H350: May cause cancer. H361: Suspected of damaging fertility. 	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 ³	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 Odor threshold: pH: Data not avai Melting / Freezing p Boiling point: App	Data not available.	Flammability (s Explosion limit Vapor pressure Vapor density Relative density	te (Butyl acetate = 1) solid/gas): Data not a ss: Lower / Upper: 2 e (mm Hg): 33 mm @ (Air = 1): 2.1 [Pure IF Specific gravity): 0.8* Complete in water.	available. % / 12% [Pure IPA] 20°C [Pure IPA]	Auto-ignitio Decompos Viscosity: Molecular	n temperature: 399°0	
Section 10	Stability & Reactivity						
Chemical stabilit Conditions to av	y: Stable 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 OSHA: No compo Reproductive to: STOT-single exp STOT-repeated e Aspiration hazar Potential health Inhalation: Inhala	anticipated to be a human carcino Group 2B: Possibly carcinogenic to onent of this product present at leve xicity: Data not available osure: The substance or mixture exposure: Data not available rd: Yes	humans. [Phenol els greater than or is classified as sp nay cause central	phthalein] equal to 0.1% is iden ecific target organ tox nervous system depre	icant, single exposu	e, category 3	with narcotic effects	S.
Ingestion: Aspirat develop if this occ Skin: Prolonged of Eyes: Contact ca Signs and sympt	or repeated contact may cause irrit uses burning sensation, redness, s toms of exposure: See Potential	ter the lungs (aspi ation and drying, swelling, and/or bl health effects abo	rated) when swallowe cracking and defatting urred vision. ove.	of the skin which ca	0	ge and possible fata	
Ingestion: Aspiral develop if this occ Skin: Prolonged of Eyes: Contact ca Signs and sympt Additional inform Section 12	curs. or repeated contact may cause irrit uses burning sensation, redness, s toms of exposure: See Potential nation: RTECS #: NT8050000 [Is Ecological Information	ter the lungs (aspi ation and drying, swelling, and/or bl health effects abc sopropanol] / SM8	rated) when swallowe cracking and defatting urred vision. ove. 380000 [Phenolphtha	of the skin which ca lein]	0	ge and possible fata	<u>.</u>
Ingestion: Aspiral develop if this occ Skin: Prolonged of Eyes: Contact ca Signs and symp Additional inform Section 12 Toxicity to fish: Toxicity to fish: Toxicity to algae Persistence and Mobility in soil: Other adverse ef	curs. or repeated contact may cause irrit iuses burning sensation, redness, s toms of exposure: See Potential nation: RTECS #: NT8050000 [Is Ecological Information Pimephales promelas (Fish, fresh nia and other aquatic invertebrat : Scenedesmus quadricauda (Alga degradability: No data available No data available fects: An environmental hazard co	ter the lungs (aspi ation and drying, swelling, and/or bl health effects abc sopropanol] / SM8 water) LC50: 9644 es: Daphnia mag e), LOEC50 = 1,8 Bioaccum PBT and vi	rated) when swallowe cracking and defatting urred vision. ye. 380000 [Phenolphtha 0 mg/l/96 hours [Isopro- na (Crustacia), EC50 00 mg/l/7 days [Isopro- lative potential: No PvB assessment: No	of the skin which ca lein] =>10,000 mg/l/24 h panol] data available o data available	un lead to derr	ge and possible fata	
Ingestion: Aspiral develop if this occ Skin: Prolonged of Eyes: Contact ca Signs and symp Additional inform Section 12 Toxicity to fish: Toxicity to fish: Toxicity to algae Persistence and Mobility in soil: Other adverse ef Section 13	curs. or repeated contact may cause irrit iuses burning sensation, redness, s toms of exposure: See Potential nation: RTECS #: NT8050000 [Is Ecological Information Pimephales promelas (Fish, fresh nia and other aquatic invertebrat : Scenedesmus quadricauda (Alga degradability: No data available No data available fects: An environmental hazard ca Disposal Considerations	ter the lungs (aspi swelling, and/or bl health effects abc sopropanol] / SM8 water) LC50: 9644 es: Daphnia mag e), LOEC50 = 1,8 Bioaccumu PBT and vi annot be excluded	rated) when swallowe cracking and defatting urred vision. yve. 380000 [Phenolphtha 0 mg/l/96 hours [Isopro na (Crustacia), EC50 00 mg/l/7 days [Isopro ulative potential: No PvB assessment: No d in the event of unpro	of the skin which ca lein] opanol] = >10,000 mg/l/24 h opanol] data available data available fessional handling o	n lead to derr purs [Isopropa r disposal.	ge and possible fata natitis. nol]	al chemical pneumonia can
Ingestion: Aspiral develop if this occ Skin: Prolonged Eyes: Contact ca Signs and sympi Additional inform Section 12 Toxicity to fish: Toxicity to fish: Toxicity to dapher Toxicity to dapae Persistence and Mobility in soil: Other adverse ef Section 13 These disposal regulations may	curs. or repeated contact may cause irrit iuses burning sensation, redness, s toms of exposure: See Potential nation: RTECS #: NT8050000 [Is Ecological Information Pimephales promelas (Fish, fresh nia and other aquatic invertebrat : Scenedesmus quadricauda (Alga degradability: No data available No data available fects: An environmental hazard con	ter the lungs (aspi ation and drying, swelling, and/or bl health effects abc sopropanol] / SM8 water) LC50: 9644 es: Daphnia mag e), LOEC50 = 1,8 Bioaccumu PBT and vi annot be excluded disposal of catal	rated) when swallowe cracking and defatting urred vision. we. 380000 [Phenolphtha 0 mg/l/96 hours [Isopro na (Crustacia), EC50 - 00 mg/l/7 days [Isopro lative potential: No PvB assessment: No d in the event of unpro	of the skin which ca lein] = >10,000 mg/l/24 hi ppanol] data available o data available fessional handling o nly. Federal regul	n lead to derr ours [Isopropa r disposal. ations may a	ge and possible fata natitis. nol]	al chemical pneumonia can
Ingestion: Aspiral develop if this occ Skin: Prolonged of Eyes: Contact ca Signs and sympi Additional inform Section 12 Toxicity to fish: Toxicity to algae Persistence and Mobility in soil: Other adverse ef Section 13 These disposal regulations may Section 14	curs. or repeated contact may cause irrit uses burning sensation, redness, s toms of exposure: See Potential nation: RTECS #: NT8050000 [IS Ecological Information Pimephales promelas (Fish, fresh nia and other aquatic invertebrat is Scenedesmus quadricauda (Alga degradability: No data available No data available fects: An environmental hazard ca Disposal Considerations guidelines are intended for the be different. Dispose of in acc Transport Information	ter the lungs (aspi ation and drying, swelling, and/or bl health effects abc sopropanol] / SM8 water) LC50: 9644 es: Daphnia mag e), LOEC50 = 1,8 Bioaccum PBT and vl annot be excluded disposal of catal ordance with all	rated) when swallowe cracking and defatting urred vision. ye. 380000 [Phenolphtha 0 mg/l/96 hours [Isopro- na (Crustacia), EC50 = 00 mg/l/7 days [Isopro- lative potential: No PvB assessment: No d in the event of unpro- log-size quantities o local, state and fede	of the skin which ca lein] = >10,000 mg/l/24 hi ppanol] data available o data available fessional handling o nly. Federal regul	n lead to derr ours [Isopropa r disposal. ations may a	ge and possible fata natitis. nol]	al chemical pneumonia can
Ingestion: Aspiral develop if this occ Skin: Prolonged of Eyes: Contact ca Signs and sympi Additional inform Section 12 Toxicity to fish: Toxicity to dapar Persistence and Mobility in soil: Other adverse ef Section 13 These disposal regulations may Section 14 UN/NA number Hazard class:	curs. or repeated contact may cause irrit iuses burning sensation, redness, s toms of exposure: See Potential mation: RTECS #: NT8050000 [Is Ecological Information Pimephales promelas (Fish, fresh nia and other aquatic invertebrat : Scenedesmus quadricauda (Alga degradability: No data available No data available fects: An environmental hazard ca Disposal Considerations guidelines are intended for the be different. Dispose of in acc Transport Information r: UN1219 Shipping 3 Packing g	ter the lungs (aspi ation and drying, swelling, and/or bl health effects abc sopropanol] / SM8 water) LC50: 9644 es: Daphnia mag e), LOEC50 = 1,8 Bioaccum PBT and vl annot be excluded disposal of catal ordance with all name: Isoproj group: II	rated) when swallowe cracking and defatting urred vision. ye. 380000 [Phenolphtha 0 mg/l/96 hours [Isopro- na (Crustacia), EC50 - 00 mg/l/7 days [Isopro- lative potential: No PvB assessment: No d in the event of unpro- log-size quantities o local, state and fede- banol solution Reportal	of the skin which ca lein] = >10,000 mg/l/24 hi ppanol] data available o data available fessional handling o nly. Federal regul	n lead to derr burs [Isopropa r disposal. ations may a contract with	ge and possible fata natitis. anol] apply to empty cor a a licensed chem	al chemical pneumonia can
Ingestion: Aspiral develop if this occ Skin: Prolonged of Eyes: Contact ca Signs and symp Additional inform Section 12 Toxicity to fish: Toxicity to fish: Toxicity to algae Persistence and Mobility in soil: Other adverse ef Section 13 These disposal regulations may Section 14 UN/NA number Hazard class: Exceptions: L	curs. or repeated contact may cause irrit iuses burning sensation, redness, s toms of exposure: See Potential nation: RTECS #: NT8050000 [Is Ecological Information Pimephales promelas (Fish, fresh nia and other aquatic invertebrat is Scenedesmus quadricauda (Alga degradability: No data available No data available fects: An environmental hazard ca Disposal Considerations guidelines are intended for the be different. Dispose of in acc Transport Information r: UN1219 Shipping 3 Packing g imited quantity equal to or less	ter the lungs (aspi ation and drying, swelling, and/or bl health effects abc sopropanol] / SM8 water) LC50: 9644 es: Daphnia mag e), LOEC50 = 1,8 Bioaccum PBT and vl annot be excluded disposal of catal ordance with all name: Isoproj group: II	rated) when swallowe cracking and defatting urred vision. ye. 380000 [Phenolphtha 0 mg/l/96 hours [Isopro- na (Crustacia), EC50 - 00 mg/l/7 days [Isopro- lative potential: No PvB assessment: No d in the event of unpro- log-size quantities o local, state and fede- banol solution Reportal	of the skin which ca lein] = >10,000 mg/l/24 he panol] data available fessional handling o nly. Federal regul eral regulations or	n lead to derr burs [Isopropa r disposal. ations may a contract with	ge and possible fata natitis. anol] apply to empty cor a a licensed chem	al chemical pneumonia can ntainer. State and/or loca nical disposal agency.
Ingestion: Aspiral develop if this occ Skin: Prolonged of Eyes: Contact ca Signs and symp Additional inform Section 12 Toxicity to fish: Toxicity to dapher Toxicity to algae: Persistence and Mobility in soil: Other adverse ef Section 13 These disposal regulations may Section 14 UN/NA number Hazard class: Exceptions: L Section 15	curs. or repeated contact may cause irrit iuses burning sensation, redness, s toms of exposure: See Potential mation: RTECS #: NT8050000 [Is Ecological Information Pimephales promelas (Fish, fresh nia and other aquatic invertebrat : Scenedesmus quadricauda (Alga degradability: No data available No data available fects: An environmental hazard ca Disposal Considerations guidelines are intended for the be different. Dispose of in acc Transport Information r: UN1219 Shipping 3 Packing g	ter the lungs (aspi ation and drying, swelling, and/or bl health effects abo sopropanol] / SM8 water) LC50: 9644 es: Daphnia mag e), LOEC50 = 1,8 Bioaccumu PBT and vi annot be excluded disposal of catal ordance with all name: Isoprop group: II s than 1 L the anhydrous form	rated) when swallowe cracking and defatting urred vision. bye. 380000 [Phenolphtha 0 mg/l/96 hours [Isopro- na (Crustacia), EC50 00 mg/l/7 days [Isopro- ulative potential: No PvB assessment: No d in the event of unpro- log-size quantities o local, state and fed- banol solution Reportal ERG Gui	of the skin which ca lein] = >10,000 mg/l/24 he panol] data available fessional handling o nly. Federal regul eral regulations or	n lead to derr burs [Isopropa r disposal. ations may a contract with	ge and possible fata natitis. anol] upply to empty cor n a licensed chem Mari	ntainer. State and/or loca nical disposal agency.
Ingestion: Aspiral develop if this occ Skin: Prolonged of Eyes: Contact ca Signs and symp Additional inform Section 12 Toxicity to fish: Toxicity to fish: Toxicity to dapher Persistence and Mobility in soil: Other adverse ef Section 13 These disposal regulations may Section 14 UN/NA number Hazard class: Exceptions: L Section 15 A chemical is consid	curs. or repeated contact may cause irrit iuses burning sensation, redness, s toms of exposure: See Potential nation: RTECS #: NT8050000 [Is Ecological Information Pimephales promelas (Fish, fresh nia and other aquatic invertebrat : Scenedesmus quadricauda (Alga degradability: No data available No data available fects: An environmental hazard ca Disposal Considerations guidelines are intended for the be different. Dispose of in acc Transport Information r: UN1219 Shipping 3 Packing g imited quantity equal to or less Regulatory Information ered to be listed if the CAS number for	ter the lungs (aspi ation and drying, swelling, and/or bl health effects abo sopropanol] / SM8 water) LC50: 9640 es: Daphnia mag e), LOEC50 = 1,8 Bioaccumu PBT and vi annot be excluded disposal of catal ordance with all name: Isoproj group: II s than 1 L the anhydrous form TSCA	rated) when swallowe cracking and defatting urred vision. bye. 380000 [Phenolphtha 0 mg/l/96 hours [Isopro- na (Crustacia), EC50 00 mg/l/7 days [Isopro- ulative potential: No PvB assessment: No d in the event of unpro- log-size quantities o local, state and fed- banol solution Reportal ERG Gui is on the Inventory list. CERLCA (RQ)	of the skin which ca lein] = >10,000 mg/l/24 h panol] data available fessional handling o nly. Federal regulations or left Quantity: No lde # 129 RCRA code	n lead to derr burs [Isopropa r disposal. ations may a contract with	ge and possible fata natitis. nol] upply to empty cor n a licensed chem Mari NDSL	al chemical pneumonia can ntainer. State and/or loca nical disposal agency. ine pollutant: No WHMIS Classification
Ingestion: Aspiral develop if this occ Skin: Prolonged of Eyes: Contact ca Signs and symp Additional inform Section 12 Toxicity to fish: Toxicity to fish: Toxicity to dapher Persistence and Mobility in soil: Other adverse ef Section 13 These disposal regulations may Section 14 UN/NA number Hazard class: Exceptions: L Section 15 A chemical is consid	curs. or repeated contact may cause irrit iuses burning sensation, redness, s toms of exposure: See Potential nation: RTECS #: NT8050000 [Is Ecological Information Pimephales promelas (Fish, fresh nia and other aquatic invertebrat : Scenedesmus quadricauda (Alga degradability: No data available No data available fects: An environmental hazard ca Disposal Considerations guidelines are intended for the be different. Dispose of in acc Transport Information r: UN1219 Shipping 3 Packing g imited quantity equal to or less Regulatory Information ered to be listed if the CAS number for	ter the lungs (aspi ation and drying, swelling, and/or bl health effects abo sopropanol] / SM8 water) LC50: 9644 es: Daphnia mag e), LOEC50 = 1,8 Bioaccumu PBT and vi annot be excluded disposal of catal ordance with all name: Isoprop group: II s than 1 L the anhydrous form	rated) when swallowe cracking and defatting urred vision. bye. 380000 [Phenolphtha 0 mg/l/96 hours [Isopro- na (Crustacia), EC50 00 mg/l/7 days [Isopro- lative potential: No PvB assessment: No d in the event of unpro- log-size quantities o local, state and fed- banol solution Reportal ERG Gui is on the Inventory list.	of the skin which ca lein] = >10,000 mg/l/24 h ppanol] data available fessional handling o nly. Federal regul eral regulations or ole Quantity: No ide # 129	n lead to derr burs [Isopropa r disposal. ations may a contract with	ge and possible fata natitis. anol] upply to empty cor n a licensed chem Mari	al chemical pneumonia can ntainer. State and/or local nical disposal agency.
Ingestion: Aspiral develop if this occ Skin: Prolonged of Eyes: Contact ca Signs and sympi Additional inform Section 12 Toxicity to fish: Toxicity to dapar Persistence and Mobility in soil: Other adverse ef Section 13 These disposal regulations may Section 14 UN/NA number Hazard class: Exceptions: L Section 15 A chemical is consid Compo	curs. or repeated contact may cause irrit iuses burning sensation, redness, s toms of exposure: See Potential nation: RTECS #: NT8050000 [Is Ecological Information Pimephales promelas (Fish, fresh nia and other aquatic invertebrat : Scenedesmus quadricauda (Alga degradability: No data available No data available fects: An environmental hazard ca Disposal Considerations guidelines are intended for the be different. Dispose of in acc Transport Information r: UN1219 Shipping 3 Packing g imited quantity equal to or less Regulatory Information ered to be listed if the CAS number for	ter the lungs (aspi ation and drying, swelling, and/or bl health effects abo sopropanol] / SM8 water) LC50: 9644 es: Daphnia mag e), LOEC50 = 1,8 Bioaccum. PBT and vi annot be excluded disposal of catal ordance with all name: Isoprop group: II s than 1 L the anhydrous form TSCA Listed	rated) when swallowe cracking and defatting urred vision. yee. 380000 [Phenolphtha 0 mg/l/96 hours [Isopro- na (Crustacia), EC50 - 00 mg/l/7 days [Isopro- lative potential: No PvB assessment: No d in the event of unpro- log-size quantities o local, state and fed banol solution Reportal ERG Gui is on the Inventory list. CERLCA (RQ) Not listed	of the skin which ca lein] = >10,000 mg/l/24 he panol] data available fessional handling o nly. Federal regul eral regulations or ble Quantity: No ide # 129 RCRA code Not listed	n lead to derr burs [Isopropa r disposal. ations may a contract with DSL Listed	ge and possible fata natitis. anol] upply to empty cor n a licensed chem Mari NDSL Not listed	al chemical pneumonia can ntainer. State and/or loca nical disposal agency. ine pollutant: No WHMIS Classificatior 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.