

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations Revision Date: 06/17/2015 Date of issue: 06/17/2015

Version: 2.0

SECTION 1: IDENTIFICATION

<u>Product Identifier</u> <u>Product Form:</u> Mixture

Product Name: Eosin-Y, Alcoholic 0.25%

Product Code: SL98-1, SL98-16 **Intended Use of the Product**

Use of the Substance/Mixture: Biological Stains. For professional use only.

Name, Address, and Telephone of the Responsible Party

Company

StatLab Medical Products 2090 Commerce Drive McKinney, TX 75069 800-442-3573

www.statlab.com

Emergency Telephone Number

Emergency Number : CHEMTREC 800-424-9300 (USA & Canada)

CHEMTREC 703-527-3887 (International) Non-transport 800-225-8867 (USA)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Flammable Liquid 3 H226

Full text of H-phrases: see section 16

Label Elements
GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US) : Warning

Hazard Statements (GHS-US) : H226 - Flammable liquid and vapor.

Precautionary Statements (GHS-US) : P210 - Keep away from extremely high or low temperatures, ignition sources, and

incompatible materials. No smoking. P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical, ventilating, and lighting equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P280 - Wear protective gloves, protective clothing, and eye protection.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P370+P378 - In case of fire: Use appropriate media to extinguish.

P403+P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of contents/container in accordance with local, regional, national,

territorial, provincial, and international regulations.

Other Hazards

This material contains methanol, which, when ingested, may cause acidosis and ocular toxicity ranging from diminished visual capacity to complete blindness, and possible death.

Unknown Acute Toxicity (GHS-US) Not available

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SECTION 3: COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Mixture

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Ethyl alcohol	(CAS No) 64-17-5	44	Flammable Liquid 2, H225
			Eye Irritation 2A, H319
Isopropyl alcohol	(CAS No) 67-63-0	2	Flammable Liquid 2, H225
			Eye Irritation 2A, H319
			Specific Target Organ Toxicity Single Exposure 3, H336
Methyl alcohol	(CAS No) 67-56-1	2	Flammable Liquid 2, H225
			Acute Toxicity 3 (Oral), H301
			Acute Toxicity 3 (Dermal), H311
			Acute Toxicity 3 (Inhalation: vapor), H331
			Specific Target Organ Toxicity Single Exposure 1, H370
Acetic acid	(CAS No) 64-19-7	1	Flammable Liquid 3, H226
			Skin Corrosion 1A, H314
			Eye Damage 1, H318
			Aquatic Acute 3, H402

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. If you feel unwell, seek medical advice.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Call a POISON CENTER or doctor/physician if you feel unwell.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.

Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms and Effects Both Acute and Delayed

General: None expected under normal conditions of use. **Inhalation:** None expected under normal conditions of use. **Skin Contact:** None expected under normal conditions of use.

Eye Contact: May cause minor eye irritation. **Ingestion:** May be harmful if swallowed.

Chronic Symptoms: None expected under normal conditions of use.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Powder, alcohol-resistant foam, water spray, carbon dioxide (CO₂).

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Flammable liquid and vapor.

Explosion Hazard: May form flammable/explosive vapor-air mixture. **Reactivity:** Reacts with (strong) oxidizers: (increased) risk of fire.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

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Hazardous Combustion Products: Carbon oxides (CO. CO₂).

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Use special care to avoid static electric charges. Keep away from open flames, hot surfaces and sources of ignition. Do not get in eyes, on skin, or on clothing.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Use only non-sparking tools.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: Handle empty containers with care because residual vapors are flammable.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Proper grounding procedures to avoid static electricity should be followed.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep in fireproof place.

Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.

Specific End Use(s)

Biological Stains. For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government

Acetic acid (64-19-7)		
USA ACGIH	ACGIH TWA (ppm)	10 ppm
USA ACGIH	ACGIH STEL (ppm)	15 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	25 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	10 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m³)	25 mg/m³
USA NIOSH	NIOSH REL (TWA) (ppm)	10 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m³)	37 mg/m³
USA NIOSH	NIOSH REL (STEL) (ppm)	15 ppm
USA IDLH	US IDLH (ppm)	50 ppm
Alberta	OEL STEL (mg/m³)	37 mg/m³

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Alberta	OEL STEL (ppm)	15 ppm
Alberta	OEL TWA (mg/m³)	25 mg/m³
Alberta	OEL TWA (ppm)	10 ppm
British Columbia	OEL STEL (ppm)	15 ppm
British Columbia	OEL TWA (ppm)	10 ppm
Manitoba	OEL STEL (ppm)	15 ppm
Manitoba	OEL TWA (ppm)	10 ppm
New Brunswick	OEL STEL (mg/m³)	37 mg/m³
New Brunswick	OEL STEL (ppm)	15 ppm
New Brunswick	OEL TWA (mg/m³)	25 mg/m³
New Brunswick	OEL TWA (ppm)	10 ppm
Newfoundland & Labrador	OEL STEL (ppm)	15 ppm
Newfoundland & Labrador	OEL TWA (ppm)	10 ppm
Nova Scotia	OEL STEL (ppm)	15 ppm
Nova Scotia	OEL TWA (ppm)	10 ppm
Nunavut	OEL STEL (mg/m³)	39 mg/m³
Nunavut	OEL STEL (ppm)	15 ppm
Nunavut	OEL TWA (mg/m³)	26 mg/m³
Nunavut	OEL TWA (ppm)	10 ppm
Northwest Territories	OEL STEL (mg/m³)	39 mg/m³
Northwest Territories	OEL STEL (ppm)	15 ppm
Northwest Territories	OEL TWA (mg/m³)	26 mg/m³
Northwest Territories	OEL TWA (mg/m /	10 ppm
Ontario	OEL STEL (ppm)	15 ppm
Ontario	OEL TWA (ppm)	
	OEL TWA (ppm)	10 ppm
Prince Edward Island		15 ppm
Prince Edward Island	OEL TWA (ppm) VECD (mg/m³)	10 ppm
Québec	, , ,	37 mg/m³
Québec	VECD (ppm)	15 ppm 25 mg/m ³
Québec	VEMP (mg/m³) VEMP (ppm)	<u>.</u>
Québec	, , , , , , , , , , , , , , , , , , ,	10 ppm
Saskatchewan	OEL STEL (ppm)	15 ppm
Saskatchewan	OEL TWA (ppm)	10 ppm
Yukon	OEL STEL (mg/m³)	43 mg/m³
Yukon	OEL STEL (ppm)	25 ppm
Yukon	OEL TWA (mg/m³)	25 mg/m³
Yukon	OEL TWA (ppm)	10 ppm
Methyl alcohol (67-56-1)		
USA ACGIH	ACGIH TWA (ppm)	200 ppm
USA ACGIH	ACGIH STEL (ppm)	250 ppm
USA ACGIH	ACGIH chemical category	Skin - potential significant contribution to overall exposure by the
		cutaneous route
USA OSHA	OSHA PEL (TWA) (mg/m³)	260 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m³)	260 mg/m³
USA NIOSH	NIOSH REL (TWA) (ppm)	200 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m³)	325 mg/m ³
USA NIOSH	NIOSH REL (STEL) (ppm)	250 ppm
USA IDLH	US IDLH (ppm)	6000 ppm
Alberta	OEL STEL (mg/m³)	328 mg/m³
Alberta	OEL STEL (ppm)	250 ppm

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Ontario OEL STEL (ppm) 250 ppm Ontario OEL TWA (ppm) 200 ppm Prince Edward Island OEL STEL (ppm) 250 ppm Prince Edward Island OEL TWA (ppm) 200 ppm Québec VECD (mg/m³) 328 mg/m³ Québec VECD (ppm) 250 ppm Québec VEMP (mg/m³) 262 mg/m³ Québec VEMP (ppm) 200 ppm Saskatchewan OEL STEL (ppm) 250 ppm Saskatchewan OEL TWA (ppm) 200 ppm
Ontario OEL TWA (ppm) 200 ppm Prince Edward Island OEL STEL (ppm) 250 ppm Prince Edward Island OEL TWA (ppm) 200 ppm Québec VECD (mg/m³) 328 mg/m³ Québec VECD (ppm) 250 ppm Québec VEMP (mg/m³) 262 mg/m³ Québec VEMP (ppm) 200 ppm Saskatchewan OEL STEL (ppm) 250 ppm Saskatchewan OEL TWA (ppm) 200 ppm
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Québec VEMP (ppm) 200 ppm Saskatchewan OEL STEL (ppm) 250 ppm Saskatchewan OEL TWA (ppm) 200 ppm
Saskatchewan OEL STEL (ppm) 250 ppm Saskatchewan OEL TWA (ppm) 200 ppm
Saskatchewan OEL TWA (ppm) 200 ppm
Yukon OEL STEL (mg/m³) 310 mg/m³
Yukon OEL STEL (ppm) 250 ppm
Yukon OEL TWA (mg/m³) 260 mg/m³
Yukon OEL TWA (ppm) 200 ppm
Isopropyl alcohol (67-63-0)
USA ACGIH ACGIH TWA (ppm) 200 ppm
USA ACGIH ACGIH STEL (ppm) 400 ppm
USA ACGIH ACGIH chemical category Not Classifiable as a Human Carcinogen
USA OSHA OSHA PEL (TWA) (mg/m³) 980 mg/m³
USA OSHA OSHA PEL (TWA) (ppm) 400 ppm
USA NIOSH NIOSH REL (TWA) (mg/m³) 980 mg/m³
USA NIOSH NIOSH REL (TWA) (ppm) 400 ppm
USA NIOSH NIOSH REL (STEL) (mg/m³) 1225 mg/m³
USA NIOSH NIOSH REL (STEL) (ppm) 500 ppm
USA IDLH US IDLH (ppm) 2000 ppm (10% LEL)
Alberta OEL STEL (mg/m³) 984 mg/m³
Alberta OEL STEL (ppm) 400 ppm
Alberta OEL TWA (mg/m³) 492 mg/m³
Alberta OEL TWA (ppm) 200 ppm

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British Columbia	OEL STEL (ppm)	400 ppm			
British Columbia	OEL TWA (ppm)	200 ppm			
Manitoba	OEL STEL (ppm)	400 ppm			
Manitoba	OEL TWA (ppm)	200 ppm			
New Brunswick	OEL STEL (mg/m³)	1230 mg/m³			
New Brunswick	OEL STEL (ppm)	500 ppm			
New Brunswick	OEL TWA (mg/m³)	983 mg/m³			
New Brunswick	OEL TWA (ppm)	400 ppm			
Newfoundland & Labrador	OEL STEL (ppm)	400 ppm			
Newfoundland & Labrador	OEL TWA (ppm)	200 ppm			
Nova Scotia	OEL STEL (ppm)	400 ppm			
Nova Scotia	OEL TWA (ppm)	200 ppm			
Nunavut	OEL STEL (mg/m³)	1228 mg/m³			
Nunavut	OEL STEL (ppm)	500 ppm			
Nunavut	OEL TWA (mg/m³)	983 mg/m³			
Nunavut	OEL TWA (ppm)	400 ppm			
Northwest Territories	OEL STEL (mg/m³)	1228 mg/m³			
Northwest Territories	OEL STEL (ppm)	500 ppm			
Northwest Territories	OEL TWA (mg/m³)	983 mg/m³			
Northwest Territories	OEL TWA (ppm)	400 ppm			
Ontario	OEL STEL (ppm)	400 ppm			
Ontario	OEL TWA (ppm)	200 ppm			
Prince Edward Island	OEL STEL (ppm)	400 ppm			
Prince Edward Island	OEL TWA (ppm)	200 ppm			
Québec	VECD (mg/m³)	1230 mg/m³			
Québec	VECD (ppm)	500 ppm			
Québec	VEMP (mg/m³)	985 mg/m³			
Québec	VEMP (ppm)	400 ppm			
Saskatchewan	OEL STEL (ppm)	400 ppm			
Saskatchewan	OEL TWA (ppm)	200 ppm			
Yukon	OEL STEL (mg/m³)	1225 mg/m³			
Yukon	OEL STEL (ppm)	500 ppm			
Yukon	OEL TWA (mg/m³)	980 mg/m³			
Yukon	OEL TWA (ppm)	400 ppm			
Ethyl alcohol (64-17-5)	C = 2 : (pp)	1.00 pp			
USA ACGIH	ACGIH STEL (ppm)	1000 ppm			
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans			
USA OSHA	OSHA PEL (TWA) (mg/m³)	1900 mg/m ³			
USA OSHA	OSHA PEL (TWA) (mg/m)	1000 ppm			
USA NIOSH	NIOSH REL (TWA) (mg/m³)	1900 mg/m³			
USA NIOSH	NIOSH REL (TWA) (nig/111)	1000 ppm			
USA IDLH	US IDLH (ppm)	3300 ppm (10% LEL)			
Alberta	OEL TWA (mg/m³)	1880 mg/m³			
Alberta	OEL TWA (filg/fill) OEL TWA (ppm)	1000 ppm			
British Columbia	OEL STEL (ppm)	1000 ppm			
Manitoba	OEL STEL (ppm)	1000 ppm			
New Brunswick	OEL TWA (mg/m³)	1880 mg/m³			
New Brunswick	OEL TWA (mg/m) OEL TWA (ppm)	1000 ppm			
Newfoundland & Labrador	OEL STEL (ppm)	1000 ppm			
Nova Scotia	OEL STEL (ppm)	1000 ppm			
Nunavut	OEL STEL (ppin) OEL STEL (mg/m³)	2355 mg/m³			
INUITAVUL	OLL STEL (IIIB/III)	2333 HIR/III			

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	T	1
Nunavut	OEL STEL (ppm)	1250 ppm
Nunavut	OEL TWA (mg/m³)	1884 mg/m³
Nunavut	OEL TWA (ppm)	1000 ppm
Northwest Territories	OEL STEL (mg/m³)	2355 mg/m³
Northwest Territories	OEL STEL (ppm)	1250 ppm
Northwest Territories	OEL TWA (mg/m³)	1884 mg/m³
Northwest Territories	OEL TWA (ppm)	1000 ppm
Ontario	OEL STEL (ppm)	1000 ppm
Prince Edward Island	OEL STEL (ppm)	1000 ppm
Québec	VEMP (mg/m³)	1880 mg/m³
Québec	VEMP (ppm)	1000 ppm
Saskatchewan	OEL STEL (ppm)	1250 ppm
Saskatchewan	OEL TWA (ppm)	1000 ppm
Yukon	OEL STEL (mg/m³)	1900 mg/m³
Yukon	OEL STEL (ppm)	1000 ppm
Yukon	OEL TWA (mg/m³)	1900 mg/m³
Yukon	OEL TWA (ppm)	1000 ppm

Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide sufficient ventilation to keep vapors below permissible exposure limit. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Ensure all national/local regulations are observed.

Personal Protective Equipment: Safety glasses. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.









Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State: LiquidAppearance: Red-OrangeOdor: Ethanol OdorOdor Threshold: Not available

pH : 4-5

Not available **Evaporation Rate Melting Point** Not available **Freezing Point** Not available **Boiling Point** 83.3 °C (181.94 °F) **Flash Point** 24 °C (75.20 °F) **Auto-ignition Temperature** Not available **Decomposition Temperature** Not available Flammability (solid, gas) Not available **Lower Flammable Limit** Not available **Upper Flammable Limit** Not available

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Vapor Pressure : Not available Relative Vapor Density at 20 °C : Not available

Relative Density : 0.89 - 0.92 (water = 1)

Specific Gravity: 0.89 - 0.92Solubility: Soluble in waterPartition Coefficient: N-Octanol/Water: Not availableViscosity: Not available

Explosion Data – Sensitivity to Mechanical Impact : Not expected to present an explosion hazard due to mechanical impact

Explosion Data – Sensitivity to Static Discharge : Static discharge could act as an ignition source

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Reacts with (strong) oxidizers: (increased) risk of fire.

Chemical Stability: Flammable liquid and vapor.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Sparks, heat, open flame and other sources of ignition.

<u>Incompatible Materials</u>: Strong acids. Strong bases. Strong oxidizers. <u>Hazardous Decomposition Products</u>: Carbon oxides (CO, CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not classified LD50 and LC50 Data: Not available Skin Corrosion/Irritation: Not classified

pH: 4.42 - 4.57

Serious Eye Damage/Irritation: Not classified

pH: 4.42 - 4.57

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Teratogenicity: Not classified **Carcinogenicity:** Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: None expected under normal conditions of use **Symptoms/Injuries After Skin Contact:** None expected under normal conditions of use

Symptoms/Injuries After Eye Contact: May cause minor eye irritation Symptoms/Injuries After Ingestion: May be harmful if swallowed Chronic Symptoms: None expected under normal conditions of use

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

1200 dild 1000 Pddd.		
Acetic acid (64-19-7)		
LD50 Oral Rat	3310 mg/kg	
Methyl alcohol (67-56-1)		
LC50 Inhalation Rat	22500 ppm (Exposure time: 8 h)	
ATE US (oral)	100.00 mg/kg body weight	
ATE US (dermal)	300.00 mg/kg body weight	
ATE US (vapors)	3.00 mg/l/4h	
Isopropyl alcohol (67-63-0)		
LD50 Oral Rat	4710 mg/kg	
LD50 Dermal Rabbit	4059 mg/kg	
LC50 Inhalation Rat	72600 mg/m³ (Exposure time: 4 h)	

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Ethyl alcohol (64-17-5)			
LD50 Oral Rat		10470 mg/kg	
LD50 Dermal Rat		20 ml/kg	
LC50 Inhalation Rat		124.7 mg/l/4h	
Carcinogenicity			
Isopropyl alcohol (67-63-0)			
IARC Group 3			
Ethyl alcohol (64-17-5)			
OSHA Hazard Communication Carcinoge	en List	In OSHA Hazard Communication Carcinogen list.	
SECTION 12: ECOLOGICAL INFORM			
Toxicity No additional information ava			
Acetic acid (64-19-7)			
LC50 Fish 1	79 mg/l (Exposure t	ime: 96 h - Species: Pimephales promelas [static])	
EC50 Daphnia 1		ime: 48 h - Species: Daphnia magna [Static])	
LC 50 Fish 2		ime: 96 h - Species: Lepomis macrochirus [static])	
Methyl alcohol (67-56-1)			
LC50 Fish 1			
LC 50 Fish 2			
Isopropyl alcohol (67-63-0)			
LC50 Fish 1	9640 mg/l (Exposur	e time: 96 h - Species: Pimephales promelas [flow-through])	
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)		
EC50 Other Aquatic Organisms 1	1000 mg/l (Exposur	e time: 96 h - Species: Desmodesmus subspicatus)	
LC 50 Fish 2	11130 mg/l (Exposu	re time: 96 h - Species: Pimephales promelas [static])	
EC50 Other Aquatic Organisms 2	1000 mg/l (Exposur	e time: 72 h - Species: Desmodesmus subspicatus)	
Ethyl alcohol (64-17-5)			
LC50 Fish 1		posure time: 96 h - Species: Oncorhynchus mykiss [static])	
EC50 Daphnia 1		Exposure time: 48 h - Species: Daphnia magna)	
LC 50 Fish 2	> 100 mg/l (Exposu	re time: 96 h - Species: Pimephales promelas [static])	
Persistence and Degradability			
Eosin-Y, Alcoholic 0.25%			
Persistence and Degradability Not established.			
Bioaccumulative Potential			
Eosin-Y, Alcoholic 0.25%			
Bioaccumulative Potential Not established.			
Acetic acid (64-19-7)			
Log Pow	-0.31 (at 20 °C)		
Methyl alcohol (67-56-1)			
BCF Fish 1	< 10		
Log Pow	-0.77		
Isopropyl alcohol (67-63-0)			
Log Pow			
Ethyl alcohol (64-17-5)			
Log Pow	-0.32		
Bioaccumulative Potential	Not established.		

Mobility in Soil Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

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SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Additional Information: Handle empty containers with care because residual product is flammable.

SECTION 14: TRANSPORT INFORMATION

In Accordance With ICAO/IATA/DOT/TDG

Note: Depending on the manner in which this product is packaged, it may meet a Limited Quantity exemption. The following applies only if it does not meet that exemption.

14.1. UN Number

14.2. UN Proper Shipping Name

Proper Shipping Name (DOT)

Department of Transportation (DOT)

Hazard Classes

Hazard Labels (DOT) : 3 - Flammable liquid

3

Packing Group (DOT) : III - Minor Danger

DOT Special Provisions (49 CFR 172.102)

: 172 - This entry includes alcohol mixtures containing up to 5% petroleum products. B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.

IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).

T4 - 2.65 178.274(d)(2) Normal...... 178.275(d)(3)

: Alcohols, n.o.s. (Contains Ethyl alcohol; Isopropyl alcohol)

: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / (1 + a (tr - tf)) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR

173.xxx)

: 4b;150

DOT Packaging Non Bulk (49 CFR

173.xxx)

: 203

DOT Packaging Bulk (49 CFR 173.xxx)

14.3. Additional Information

: 242

Emergency Response Guide (ERG)

: 127

Number

Transport by Sea

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and

on a passenger vessel.

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Air Transport

DOT Quantity Limitations Passenger : 60 L

Aircraft/Rail (49 CFR 173.27)

DOT Quantity Limitations Cargo Aircraft : 220 L

Only (49 CFR 175.75)

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Eosin-Y, Alcoholic 0.25%		
SARA Section 311/312 Hazard Classes Fire hazard		
Acetic acid (64-19-7)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
Methyl alcohol (67-56-1)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on United States SARA Section 313		
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard	
	Immediate (acute) health hazard	
	Fire hazard	
SARA Section 313 - Emission Reporting	1.0 %	
Isopropyl alcohol (67-63-0)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
Listed on United States SARA Section 313		
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test	
	rule under TSCA.	
SARA Section 313 - Emission Reporting	1.0 % (only if manufactured by the strong acid process, no supplier	
	notification)	
Ethyl alcohol (64-17-5)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		

US State Regulations

Methyl alcohol (67-56-1)	
U.S California - Proposition 65 - Developmental Toxicity WARNING: This product contains chemicals known to the S	
	California to cause birth defects.
Ethyl alcohol (64-17-5)	
U.S California - Proposition 65 - Carcinogens List	WARNING: This product contains chemicals known to the State of
	California to cause cancer.
U.S California - Proposition 65 - Developmental Toxicity	WARNING: This product contains chemicals known to the State of
	California to cause birth defects.

Acetic acid (64-19-7)

- U.S. Connecticut Hazardous Air Pollutants HLVs (30 min)
- U.S. Connecticut Hazardous Air Pollutants HLVs (8 hr)
- U.S. Delaware Pollutant Discharge Requirements Reportable Quantities
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Acceptable Ambient Concentrations
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Emission Levels (ELs)
- U.S. Idaho Occupational Exposure Limits TWAs
- U.S. Louisiana Reportable Quantity List for Pollutants
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 1
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 2
- U.S. Massachusetts Oil & Hazardous Material List Reportable Quantity
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 1
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 2
- RTK U.S. Massachusetts Right To Know List
- U.S. Massachusetts Toxics Use Reduction Act

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- U.S. Michigan Occupational Exposure Limits TWAs
- U.S. Michigan Polluting Materials List
- U.S. Minnesota Hazardous Substance List
- U.S. Minnesota Permissible Exposure Limits TWAs
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) 24-Hour
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) Annual
- U.S. New Jersey Discharge Prevention List of Hazardous Substances
- RTK U.S. New Jersey Right to Know Hazardous Substance List
- U.S. New Jersey Special Health Hazards Substances List
- U.S. New York Occupational Exposure Limits TWAs
- U.S. New York Reporting of Releases Part 597 List of Hazardous Substances
- U.S. North Carolina Control of Toxic Air Pollutants
- U.S. North Dakota Air Pollutants Guideline Concentrations 1-Hour
- U.S. North Dakota Air Pollutants Guideline Concentrations 8-Hour
- U.S. Oregon Permissible Exposure Limits TWAs
- RTK U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- RTK U.S. Pennsylvania RTK (Right to Know) List
- U.S. Tennessee Occupational Exposure Limits TWAs
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term
- U.S. Washington Permissible Exposure Limits STELs
- U.S. Washington Permissible Exposure Limits TWAs
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 25 Feet to Less Than 40 Feet
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 40 Feet to Less Than 75 Feet
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 75 Feet or Greater
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights Less Than 25 Feet

Methyl alcohol (67-56-1)

- U.S. California Proposition 65 Maximum Allowable Dose Levels (MADL)
- U.S. California SCAQMD Toxic Air Contaminants Non-Cancer Acute
- U.S. California SCAQMD Toxic Air Contaminants Non-Cancer Chronic
- U.S. California Toxic Air Contaminant List (AB 1807, AB 2728)
- U.S. Colorado Hazardous Wastes Discarded Chemical Products, Off-Specification Species, Container and Spill Residues
- U.S. Connecticut Hazardous Air Pollutants HLVs (30 min)
- U.S. Connecticut Hazardous Air Pollutants HLVs (8 hr)
- U.S. Connecticut Volatile Substances
- U.S. Delaware Pollutant Discharge Requirements Reportable Quantities
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Acceptable Ambient Concentrations
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Emission Levels (ELs)
- U.S. Idaho Occupational Exposure Limits TWAs
- U.S. Illinois Toxic Air Contaminants
- U.S. Louisiana Reportable Quantity List for Pollutants
- U.S. Maine Air Pollutants Hazardous Air Pollutants
- U.S. Maine Chemicals of High Concern
- U.S. Massachusetts Allowable Ambient Limits (AALs)
- U.S. Massachusetts Allowable Threshold Concentrations (ATCs)
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 1
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 2
- U.S. Massachusetts Oil & Hazardous Material List Reportable Quantity
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 1
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 2
- RTK U.S. Massachusetts Right To Know List
- U.S. Massachusetts Threshold Effects Exposure Limits (TELs)
- U.S. Massachusetts Toxics Use Reduction Act

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- U.S. Michigan Occupational Exposure Limits Skin Designations
- U.S. Michigan Occupational Exposure Limits STELs
- U.S. Michigan Occupational Exposure Limits TWAs
- U.S. Michigan Polluting Materials List
- U.S. Minnesota Chemicals of High Concern
- U.S. Minnesota Groundwater Health Risk Limits
- U.S. Minnesota Hazardous Substance List
- U.S. Minnesota Permissible Exposure Limits Skin Designations
- U.S. Minnesota Permissible Exposure Limits STELs
- U.S. Minnesota Permissible Exposure Limits TWAs
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) 24-Hour
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) Annual
- U.S. New Jersey Discharge Prevention List of Hazardous Substances
- U.S. New Jersey Environmental Hazardous Substances List
- RTK U.S. New Jersey Right to Know Hazardous Substance List
- U.S. New Jersey Special Health Hazards Substances List
- U.S. New Jersey Water Quality Ground Water Quality Criteria
- U.S. New Jersey Water Quality Practical Quantitation Levels (PQLs)
- U.S. New York Occupational Exposure Limits Skin Designations
- U.S. New York Occupational Exposure Limits TWAs
- U.S. New York Reporting of Releases Part 597 List of Hazardous Substances
- U.S. North Dakota Air Pollutants Guideline Concentrations 1-Hour
- U.S. North Dakota Air Pollutants Guideline Concentrations 8-Hour
- U.S. North Dakota Hazardous Wastes Discarded Chemical Products, Off-Specification Species, Container and Spill Residues
- U.S. Oregon Permissible Exposure Limits TWAs
- U.S. California Safer Consumer Products Initial List of Candidate Chemicals and Chemical Groups
- RTK U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- RTK U.S. Pennsylvania RTK (Right to Know) List
- U.S. Rhode Island Air Toxics Acceptable Ambient Levels 1-Hour
- U.S. Rhode Island Air Toxics Acceptable Ambient Levels Annual
- U.S. South Carolina Toxic Air Pollutants Maximum Allowable Concentrations
- U.S. South Carolina Toxic Air Pollutants Pollutant Categories
- U.S. Tennessee Occupational Exposure Limits Skin Designations
- U.S. Tennessee Occupational Exposure Limits STELs
- U.S. Tennessee Occupational Exposure Limits TWAs
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term
- U.S. Vermont Permissible Exposure Limits Skin Designations
- U.S. Vermont Permissible Exposure Limits STELs
- U.S. Vermont Permissible Exposure Limits TWAs
- U.S. Washington Dangerous Waste Discarded Chemical Products List
- U.S. Washington Permissible Exposure Limits Skin Designations
- U.S. Washington Permissible Exposure Limits STELs
- U.S. Washington Permissible Exposure Limits TWAs

Isopropyl alcohol (67-63-0)

- U.S. California SCAQMD Toxic Air Contaminants Non-Cancer Acute
- U.S. California SCAQMD Toxic Air Contaminants Non-Cancer Chronic
- U.S. California Toxic Air Contaminant List (AB 1807, AB 2728)
- U.S. Connecticut Hazardous Air Pollutants HLVs (30 min)
- U.S. Connecticut Hazardous Air Pollutants HLVs (8 hr)
- U.S. Connecticut Volatile Substances
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Acceptable Ambient Concentrations
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Emission Levels (ELs)

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- U.S. Idaho Occupational Exposure Limits TWAs
- RTK U.S. Massachusetts Right To Know List
- U.S. Massachusetts Toxics Use Reduction Act
- U.S. Michigan Occupational Exposure Limits STELs
- U.S. Michigan Occupational Exposure Limits TWAs
- U.S. Minnesota Hazardous Substance List
- U.S. Minnesota Permissible Exposure Limits STELs
- U.S. Minnesota Permissible Exposure Limits TWAs
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) 24-Hour
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) Annual
- U.S. New Jersey Discharge Prevention List of Hazardous Substances
- U.S. New Jersey Environmental Hazardous Substances List
- RTK U.S. New Jersey Right to Know Hazardous Substance List
- U.S. New Jersey Special Health Hazards Substances List
- U.S. New York Occupational Exposure Limits TWAs
- U.S. North Dakota Air Pollutants Guideline Concentrations 1-Hour
- U.S. North Dakota Air Pollutants Guideline Concentrations 8-Hour
- U.S. Oregon Permissible Exposure Limits TWAs
- RTK U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- RTK U.S. Pennsylvania RTK (Right to Know) List
- U.S. Rhode Island Air Toxics Acceptable Ambient Levels 1-Hour
- U.S. Tennessee Occupational Exposure Limits STELs
- U.S. Tennessee Occupational Exposure Limits TWAs
- U.S. Texas City of Austin Aerosol Paint and Glue Restrictions
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term
- U.S. Vermont Permissible Exposure Limits STELs
- U.S. Vermont Permissible Exposure Limits TWAs
- U.S. Washington Permissible Exposure Limits STELs
- U.S. Washington Permissible Exposure Limits TWAs

Ethyl alcohol (64-17-5)

- U.S. Connecticut Hazardous Air Pollutants HLVs (30 min)
- U.S. Connecticut Hazardous Air Pollutants HLVs (8 hr)
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Acceptable Ambient Concentrations
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Emission Levels (ELs)
- U.S. Idaho Occupational Exposure Limits TWAs
- U.S. Maine Chemicals of High Concern
- U.S. Massachusetts Allowable Ambient Limits (AALs)
- U.S. Massachusetts Allowable Threshold Concentrations (ATCs)
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 1
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 2
- U.S. Massachusetts Oil & Hazardous Material List Reportable Quantity
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 1
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 2
- RTK U.S. Massachusetts Right To Know List
- U.S. Massachusetts Threshold Effects Exposure Limits (TELs)
- U.S. Michigan Occupational Exposure Limits TWAs
- U.S. Minnesota Chemicals of High Concern
- U.S. Minnesota Hazardous Substance List
- U.S. Minnesota Permissible Exposure Limits TWAs
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) 24-Hour
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) Annual
- RTK U.S. New Jersey Right to Know Hazardous Substance List

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- U.S. New Jersey Special Health Hazards Substances List
- U.S. New York Occupational Exposure Limits TWAs
- U.S. North Dakota Air Pollutants Guideline Concentrations 1-Hour
- U.S. Oregon Permissible Exposure Limits TWAs
- RTK U.S. Pennsylvania RTK (Right to Know) List
- U.S. Tennessee Occupational Exposure Limits TWAs
- U.S. Texas City of Austin Aerosol Paint and Glue Restrictions
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term
- U.S. Vermont Permissible Exposure Limits TWAs
- U.S. Washington Permissible Exposure Limits STELs
- U.S. Washington Permissible Exposure Limits TWAs

Canadian Regulations

Eosin-Y, Alcoholic 0.25%		
WHMIS Classification	Class B Division 2 - Flammable Liquid	

Acetic acid (64-19-7)			
Listed on the Canadian DSL (Domestic Substances List)			
Listed on the Canadian IDL (Ingredient Disclosure List)			
IDL Concentration 1 %	IDL Concentration 1 %		
WHMIS Classification	Class B Division 3 - Combustible Liquid		
	Class E - Corrosive Material		
Methyl alcohol (67-56-1)			
Listed on the Canadian DSL (D	omestic Substances List)		
Listed on the Canadian IDL (In	gredient Disclosure List)		
IDL Concentration 1 %			
WHMIS Classification	Class B Division 2 - Flammable Liquid		
	Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects		
	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects		
Isopropyl alcohol (67-63-0)			
Listed on the Canadian DSL (Domestic Substances List)			
Listed on the Canadian IDL (Ingredient Disclosure List)			
IDL Concentration 1 %			
WHMIS Classification	Class B Division 2 - Flammable Liquid		
	Class D Division 2 Subdivision B - Toxic material causing other toxic effects		
Ethyl alcohol (64-17-5)			
Listed on the Canadian DSL (Domestic Substances List)			
Listed on the Canadian IDL (Ingredient Disclosure List)			
IDL Concentration 0.1 %	IDL Concentration 0.1 %		
WHMIS Classification	Class B Division 2 - Flammable Liquid		
	Class D Division 2 Subdivision B - Toxic material causing other toxic effects		
	ad in a secondary as with the horseyd suitarie of the Controlled Duadwate Descriptions (CDD) and the CDC		

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 06/17/2015

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA

Hazard Communication Standard 29 CFR 1910.1200.

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GHS Full Text Phrases:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation:vapor)	Acute toxicity (inhalation:vapor) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Skin Corr. 1A	Skin corrosion/irritation Category 1A
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H301	Toxic if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H319	Causes serious eye irritation
H331	Toxic if inhaled
H336	May cause drowsiness or dizziness
H370	Causes damage to organs
H402	Harmful to aquatic life

NFPA Health Hazard : 1 - Exposure could cause irritation but only minor residual

injury even if no treatment is given.

NFPA Fire Hazard : 3 - Liquids and solids that can be ignited under almost all

ambient conditions.

NFPA Reactivity : 0 - Normally stable, even under fire exposure conditions,

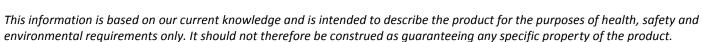
and are not reactive with water.

HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 3 Serious Hazard
Physical : 0 Minimal Hazard
Party Responsible for the Preparation of This Document

StatLab Medical Products Phone Number: 800-442-3573



North America GHS US 2012 & WHMIS 2

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