



SAFETY DATA SHEET

Preparation Date: 07/25/2019 Revision date 07/25/2019 **Revision Number: G1**

1. IDENTIFICATION

Product identifier

M3030 **Product code:**

Product Name: 2-MERCAPTOETHANOL, ELECTROPHORESIS GRADE

Other means of identification

Emery 5791 Synonyms:

2-Hydroxy-1-ethanethiol 2-Hydroxyethyl mercaptan

2-ME

Mercaptoethanol beta-Mercaptoethanol Monothioethyleneglycol

1-Ethanol-2-thiol

Ethylene glycol, monothio-

2-Thioethanol Thiomonoglycol Thioethylene glycol

CAS #: 60-24-2 KL5600000 RTECS# Not available CI#:

Recommended use of the chemical and restrictions on use

Recommended use: Reducing agent. Protein denaturation. Research and Development. Laboratory

chemicals.

Uses advised against No information available

Supplier: Spectrum Chemical Mfg. Corp

> 14422 South San Pedro St. Gardena, CA 90248

(310) 516-8000

https://www.spectrumchemical.com Order Online At:

Emergency telephone number Chemtrec 1-800-424-9300

Tom Tyner (USA - West Coast) **Contact Person: Contact Person:** Ibad Tirmiz (USA - East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Oral	Category 3
Acute toxicity - Dermal	Category 2

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Acute toxicity - Inhalation (Gases)	Category 3
Acute toxicity - Inhalation (Vapors)	Category 3
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Specific target organ toxicity (repeated exposure)	Category 2
Flammable liquids	Category 4

Label elements

Danger

Hazard statements

Toxic if swallowed or if inhaled

Fatal in contact with skin

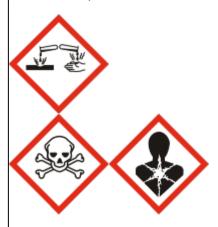
Causes skin irritation

Causes serious eye damage

May cause an allergic skin reaction

May cause damage to organs through prolonged or repeated exposure

Combustible liquid



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

Not available

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Do not get in eyes, on skin, or on clothing

Wear protective gloves/protective clothing/eye protection/face protection

Use only outdoors or in a well-ventilated area

Contaminated work clothing must not be allowed out of the workplace

Do not breathe mist or vapors

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Keep cool

Precautionary Statements - Response

Get medical attention if you feel unwell

In case of fire: Use CO2, dry chemical, or foam to extinguish.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or physician. IF ON SKIN: Gently wash with plenty of soap and water

Immediately call a POISON CENTER or physician

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Take off immediately all contaminated clothing Wash contaminated clothing before reuse

If skin irritation or rash occurs: Get medical attention

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician.

IF SWALLOWED: Immediately call a POISON CENTER or physician

Rinse mouth

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents and container to an approved waste disposal plant in accordance with local, regional, national and international regulations as applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No	Weight-%
2-Mercaptoethanol	60-24-2	100

4. FIRST AID MEASURES

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you

have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect

himself.

Skin Contact: Toxic in contact with skin. Wash off immediately with soap and plenty of water. Continue

flushing with plenty of water for at least 15 minutes. Remove all contaminated clothes and shoes. Immediate medical attention is required. Call a physician or poison control center

immediately.

Eye Contact: Flush eyes with water for 15 minutes. Immediate medical attention is required. Call a

physician immediately.

Inhalation: Toxic by inhalation. Move to fresh air. If not breathing, give artificial respiration. If breathing

is difficult, give oxygen. WARNING! It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is

required.

Ingestion: Toxic if swallowed. Do not induce vomiting without medical advice. Never give anything by

mouth to an unconscious person. Immediate medical attention is required. Call a physician

or Poison Control Center immediately.

Most important symptoms and effects, both acute and delayed

Symptoms Fatal if absorbed through skin

Causes serious eye damage

Causes skin irritation

May cause an allergic skin reaction

May cause damage to organs through prolonged or repeated exposure

Eye contact may result in redness or pain

May cause corneal injury Irritating to mucous membranes

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Irritating to respiratory system

May cause coughing and shortness of breath

Sore throat

May cause abdominal pain, nausea, vomiting, diarrhea

May affect behavior/central nervous system

Headache Dizziness Excitement **Tremors** Convulsions Somnolence

May affect respiration Respiratory depression May cause pulmonary edema It may affect the kidneys It may affect the urinary system It may affect metabolism

May cause anorexia Weight loss/gain It may affect the heart

May affect the liver (hepatotoxin)

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemical. Water spray. Alcohol-resistant foam. Carbon

dioxide (CO2).

Do not use a solid (straight) water stream as it may scatter **Unsuitable Extinguishing Media:**

and spread fire.

Specific hazards arising from the chemical

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO2). Sulfur oxides.

Specific hazards Combustible material. May be ignited by heat, sparks or

> flames. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Container explosion may occur under fire conditions or when heated. Fire may produce irritating

and/or toxic gases.

Special Protective Actions for Firefighters

Specific Methods: Water mist may be used to cool closed containers For

> larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled

material unless wearing appropriate protective clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Wear personal protective equipment. Remove all sources of ignition. All equipment used when handling the product must be grounded. Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. Pay attention to flashback. In case of large spill, water spray or vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in

closed spaces.

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent from entering into soil,

ditches, sewers, waterways, and/or ground water. Prevent product from entering

drains. Do not let this chemical enter the environment.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. In case of large spill, dike if needed. Dike

far ahead of liquid spill for later disposal.

Methods for cleaning up

Absorb spill with inert material (e.g. vermiculite, dry sand or earth). Use clean

non-sparking tools to collect absorbed material. Use appropriate tools to put the

spilled material in a suitable chemical waste disposal container. Clean

contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Keep away from incompatible materials. Keep away from open flames, hot surfaces and sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded.

Safe Handling Advice:

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Use only in well-ventilated areas. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials. Store in a segregated and approved area.

Incompatible Materials:

Oxidizing agents calcium hypochlorite aliphatic amines isocyanates Metals Alkalis Acids

Product code: M3030

ELECTROPHORESIS GRADE

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Component	CAS No	OSHA	NIOSH	ACGIH	AIHA WEEL
2-Mercaptoethanol	60-24-2	None	None	None	0.2 ppm TWA

Canada

Component	CAS No	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
2-Mercaptoethanol	60-24-2	None	None	None	None

Australia and Mexico

Component	CAS No	Australia	Mexico
2-Mercaptoethanol	60-24-2	None	None

Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation, especially in confined areas.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below

their respective threshold limit value.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles or Safety glasses with side-shields.

Skin and body protection: Chemical resistant protective suit

Boots Gloves

Respiratory protection: Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or

smoke. Wash hands and face before breaks and immediately after handling the

product

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Appearance: Color:

Liquid Clear. Colorless to pale yellow.

Odor: Taste Formula Rotten-egg like. Slight. Characteristic. No information available. C2H6OS

Unpleasant.

Molecular/Formula weight (g/mole): Flammability (solid, gas) Flashpoint (°C/°F):

78.13 no data available 74°C/165°F

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2-MERCAPTOETHANOL, ELECTROPHORESIS GRADE

68°C/154°F

Flash Point Tested according to:

Closed cup Open cup Autoignition Temperature (°C/°F):

295°C/563°F

Lower Explosion Limit (%):

2.3%

Upper Explosion Limit (%):

18%

Melting point/range(°C/°F):

No information available

Decomposition temperature(°C/°F):

157-158°C/314-316°F

Boiling point/range(°C/°F):

155-160°C/311-320°F

Bulk density:

No information available

Density (g/cm3):

1.12

Specific gravity:

No information available

4.5-6.0 (50%)

Solubility:

Soluble in Ether

Vapor pressure @ 20°C (kPa): No information available

Evaporation rate: Vapor density:

No information available 2.69

VOC content (g/L):No information available

Odor threshold (ppm): Pa

0.12 (low) 0.64 (high) Partition coefficient (n-octanol/water): log Kow -0.056

Easily soluble in cold water

Soluble in most organic solvents

Viscosity:

No information available

Miscibility:

Miscible with water

Miscible with Ether Miscible with alcohol

Miscible with Benzene

Miscible with many organic solvents

10. STABILITY AND REACTIVITY

Reactivity

Reactive with oxidizing agents

Chemical stability

Stability: Stable under recommended storage conditions.

<u>Possibility of Hazardous Reactions:</u> Hazardous polymerization does not occur

In use, may form flammable/explosive vapor-air mixture

<u>Conditions to avoid:</u> Heat, flames and sparks. Ignition sources. Incompatible materials.

Incompatible Materials: Oxidizing agents

calcium hypochlorite aliphatic amines isocyanates Metals Alkalis Acids

Hazardous decomposition

products:

Carbon oxides. Sulfur oxides.

Other Information

Corrosivity: No information available

Special Remarks on Corrosivity: No information available

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2-MERCAPTOETHANOL, ELECTROPHORESIS GRADE

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:

Skin. Ingestion. Inhalation. Eyes.

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 244 mg/kg

Component Information

2-Mercaptoethanol

CAS No

60-24-2

LD50/oral/rat = = 244 mg/kg Oral LD50 Rat

LD50/oral/mouse = 190 mg/kg LD50 oral mouse

LD50/dermal/rabbit = 150 uL/kg [168 mg/kg] dermal LD50 rabbit

112 - 224 mg/kg Dermal LD50 Rabbit

LD50/dermal/rat = No information available

LC50/inhalation/rat = 2.0 mg/L inhalation (vapor) LC50 rat

625 ppm inhalation LC50 rat

LC50/inhalation/mouse = 13.2 mg/m³ LC50 inhalation mouse

Other LD50 or LC50information = 300 uL/kg dermal LD50 guinea pig

Product Information

LD50/oral/rat =

Value - Acute Toxicity = 244 mg/kg

LD50/oral/mouse =

Value - Acute Tox = 190 mg/kg

LD50/dermal/rabbit

Value - Acute Toxicity = 112-224 mg/kg

LD50/dermal/rat

VALUE - Acute Tox = No information available

LC50/inhalation/rat

VALUE-Vapor = 2.0 mg/L

VALUE-Gas = No information available

VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse

Product code: M3030

VALUE-Vapor = 13.2 mg/m³

VALUE - Gas = No information available

VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Fatal if absorbed through skin. Causes skin irritation. Can be absorbed through

the skin and cause systemic effects. If absorbed through skin it may cause

systemic effects with symptoms similar to those of ingestion.

Product name: Page 8 / 14 2-MERCAPTOETHANOL.

Eye Contact: Causes serious eye damage. Corrosive to the eyes and may cause severe

damage including blindness. May cause corneal injury. Redness and pain.

Inhalation Toxic by inhalation. Causes respiratory tract and mucous membrane irritation.

Causes respiratory tract (nose, throat, lung) irritation with coughing and shortness of breath. It may cause pulmonary edema. May cause chemical pneumonitis. It may affect the liver. May cause sore throat. May affect respiration (respiratory

depression). It may affect the lungs.

Ingestion Toxic if swallowed. May affect behavior/central nervous system (convulsions,

muscle contraction or spasticity, excitement, tremor). May affect behavior/central nervous system (dizziness, headache). May affect behavior/central nervous system (somnolence). Causes gastrointestinal (digestive) tract irritation with nausea, vomiting, and diarrhea. May affect respiration (shortness of breath, respiratory depression, pulmonary edema). May affect urinary system (kidneys). May affect liver. May affect metabolism (weight loss or decreased weight gain).

Aspiration hazard No information available.

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

Chronic Toxicity Prolonged or repeated exposure by inhalation or ingestion will have effects similar

to those of acute inhalation or ingestion. Prolonged or repeated ingestion may affect metabolism (cause anorexia, weight loss). Prolonged or repeated exposure

may cause injuries to liver, kidneys, lungs, and heart.

Sensitization: No information available.

Mutagenic Effects: Experiments with bacteria have shown mutagenic effects

Carcinogenic effects: Not considered carcinogenic.

Component	CAS No	IARC	ACGIH -	NTP	OSHA HCS -	Australia -	Australia -
			Carcinogens		Carcinogens	Notifiable	Prohibited
						Carcinogenic	Carcinogenic
						Substances	Substances
2-Mercaptoethanol	60-24-2	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity No data is available

Reproductive Effects:No information availableDevelopmental Effects:No information availableTeratogenic Effects:No information available

Specific Target Organ Toxicity

STOT - single exposure No information available.

STOT - repeated exposure liver. kidney. Urinary Tract. respiratory system. central nervous system. heart.

Target Organs: Liver, kidney, and respiratory system. Urinary Tract.

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12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

2-Mercaptoethanol - 60-24-2

Algae/aquatic plants EC50: =12mg/L (72h, Desmodesmus subspicatus) Fish

46-100 mg/L LC50 Leuciscus idus 96 h static 1

37 mg/L LC50 Leuciscus idus 96h static

EC50: =1.52mg/L (48h, Daphnia magna) Crustacea

Toxicity to microorganisms 125 mg/L EC50 Pseudomonas putida 17h

Persistence and degradability: Not readily biodegradable

Bioaccumulative potential: Potential for bioconcentration in aquatic organisms is low.

No information available Mobility in soil No information available. Other adverse effects

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal. Do not re-use empty containers Dispose of as unused product.

Component	CAS No RCRA - F Series RCRA - K Series		RCRA - P Series	RCRA - U Series	
		Wastes	Wastes	Wastes	Wastes
2-Mercaptoethanol	60-24-2	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No: UN2966 **Proper Shipping Name:** Thioglycol

Hazard Class

Subsidiary Class No information available

Packing group: **Emergency Response Guide** 153

Number

No data available **Marine Pollutant** No information available DOT RQ (lbs):

Special Provisions IB2, T7, TP2

Symbol(s): No information available **Description:** UN2966, Thioglycol, 6.1, II

TDG (Canada)

UN-No: UN2966

Product code: M3030 **Product name:** Page 10 / 14

> 2-MERCAPTOETHANOL, **ELECTROPHORESIS GRADE**

Proper Shipping Name: Thioglycol

Hazard Class 6.1

Subsidiary Risk: No information available

Packing Group:

Marine PollutantNo Information availableDescription:UN2966, Thioglycol, 6.1, II

ADR

UN Number UN2966
Proper Shipping Name: Thioglycol

Transport hazard class(es) 6.1
Packing group

Subsidiary Risk: No information available Description: UN2966, Thioglycol, 6.1, II

IMDG

UN-No: UN2966
Proper Shipping Name: Thioglycol

Hazard Class: 6.1

Subsidiary Risk: No information available

Packing Group:

Marine Pollutant No information available

EMS: F-A

Description UN2966, Thioglycol, 6.1, II

RID

UN Number UN2966 **Proper Shipping Name:** Thioglycol

Transport hazard class(es) 6.1

Subsidiary Risk: No information available

Packing group

Description: UN2966, Thioglycol, 6.1, II

ICAO (air)

UN-No: UN2966 Proper Shipping Name: UN2966 Thioglycol

Hazard Class 6.1

Subsidiary Risk: No information available

Packing Group:

Description: UN2966, Thioglycol, 6.1, II

IATA

UN Number UN2966
Proper Shipping Name: UN2966
Thioglycol

Transport hazard class(es) 6.1

Subsidiary Risk: No information available

Packing group II Precautionary Statements - 6L

Response

Special ProvisionsNo information availableDescription:UN2966, Thioglycol, 6.1, II

15. REGULATORY INFORMATION

International Inventories

Product code: M3030

Component	CAS No	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	China IECSC	Australia (AICS)	EINECS-No.
2-Mercaptoethanol	60-24-2	PresentACTIV E	Present KE-23095	Present	Present (2)-458	Present	Present	Present 200-464-6

U.S. Regulations

2-Mercaptoethanol

Massachusetts RTK: Present

New Jersey RTK Hazardous Substance List: 2821

Pennsylvania RTK: Present

Minnesota - Hazardous Substance List: Present

FDA - 21 CFR - Total Food Additives 177.1020, 177.1030, 178.2010

- List Sourced from EAFUS

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Component	CAS No	Carcinogen	Developmental Toxicity	Male	Female
				Reproductive	Reproductive
				Toxicity	Toxicity:
2-Mercaptoethanol	60-24-2	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Component	CAS No	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
2-Mercaptoethanol	60-24-2	None	None	None	None	None

U.S. TSCA

Component		, ,	TSCA 8(d) -Health and Safety Reporting
2-Mercaptoethanol	60-24-2	Not Applicable	Not Applicable

Canada

WHIMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component 2-Mercaptoethanol 60-24-2 (100)

Product code: M3030

WHMIS 2015 Hazard Classification

Flammable liquids - Category 4: H227 Combustible liquid.; Acute toxicity - Dermal - Category 2: H310 Fatal in contact with skin.; Acute toxicity - Inhalation - Category 3: H331 Toxic if inhaled.; Skin corrosion/irritation - Category 2: H315 Causes skin irritation.; Serious Eye Damage/Eye Irritation - Category 1: H318 Causes serious eye damage.; Skin sensitizers - Category 1: H317 May cause allergic skin reaction.

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

DSL/NDSL

Component	CAS No		Canada (NDSL)
2-Mercaptoethanol	60-24-2	Present	Not Listed

Component	CAS No	CEPA Schedule I - Toxic Substances
2-Mercaptoethanol	60-24-2	Not listed
Component		CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
2-Mercaptoethanol	60-24-2	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Component	CAS No	EU GHS - SV - CLP (1272/2008)
2-Mercaptoethanol	60-24-2	

EU - CLP (1272/2008)

R-phrase(s)

R27 - Very toxic in contact with skin

R34 - Causes burns

R38 - Irritating to skin

R43 - May cause sensitization by skin contact

R48 - Danger of serious damage to health by prolonged exposure

R23/25 - Toxic by inhalation and if swallowed

S -phrase(s)

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28 - After contact with skin, wash immediately with plenty of water

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

S63 - In case of accident by inhalation: remove casualty to fresh air and keep at rest

S 1/2 - Keep locked up and out of the reach of children.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Component	CAS No	 Concentration Limits:	Safety Phrases
2-Mercaptoethanol	60-24-2	No information	

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Product code: M3030

T+ - Very toxic

T - Toxic

C - Corrosive

Xi - Irritant





16. OTHER INFORMATION

Preparation Date: 07/25/2019
Revision date 07/25/2019
Prepared by: Sonia Owen

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet

Product code: M3030