



SAFETY DATA SHEET

Preparation Date: 6/20/2017 Revision Date: 6/20/2017 Revision Number: G1

1. IDENTIFICATION

Product identifier

Product code: GL140

Product Name: GLUTARALDEHYDE, 24 PERCENT AQUEOUS SOLUTION

Other means of identification

Synonyms: No information available

CAS #: Mixture
RTECS # Not available
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use:
Uses advised against
No information available.
No information available

<u>Supplier:</u> Spectrum Chemical Mfg. Corp

14422 South San Pedro St.

Gardena, CA 90248 (310) 516-8000.

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

Emergency telephone numberChemtrec 1-800-424-9300Contact Person:Martin LaBenz (West Coast)Contact Person:Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to 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 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Respiratory sensitization	Category 1
Skin sensitization	Category 1
Category 1	

Label elements

Danger

Hazard statements

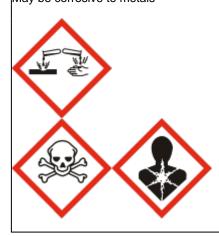
Causes severe skin burns and eye damage

Harmful if swallowed May be harmful if inhaled

May cause allergy or asthma symptoms or breathing difficulties if inhaled

Product code: GL140 **Product name:** GLUTARALDEHYDE, 24 PERCENT AQUEOUS SOLUTION

May cause an allergic skin reaction May be corrosive to metals



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

Toxic to aquatic life with long lasting effects

Toxic to aquatic life

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Use only outdoors or in a well-ventilated area

Do not breathe dust/fume/gas/mist/vapors/spray

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

Wear respiratory protection

Contaminated work clothing must not be allowed out of the workplace

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician

Absorb spillage to prevent material damage

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 doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

Immediately call a POISON CENTER or doctor/physician

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

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Rinse mouth

Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

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

Store in corrosive resistant/ .? container with a resistant inner liner

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Water	7732-18-5	75.5-76.5
Glutaraldehyde	111-30-8	23.5-24.5

Product code: GL140 Product name: GLUTARALDEHYDE, 24 PERCENT AQUEOUS SOLUTION

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. First aider needs to protect himself. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect

themselves.

Skin Contact: 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 Centre immediately.

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

physician immediately.

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. Get medical attention.

Ingestion: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 Severe skin and eye irritation or burns. May cause sensitization by inhalation and skin

contact. May affect the liver. It may affect the kidneys. May cause abdominal pain, nausea, vomiting, diarrhea. May cause coughing and shortness of breath. Causes digestive (gastrointestinal) tract irritation. May cause gastrointestinal (digestive) tract burns. Can burn mouth, throat, and stomach. May cause central nervous system effects. May cause

cardiovascular effects.

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: The product is not flammable. If it is involved in a fire,

extinguish the fire using an agent suitable for the type of

surrounding fire.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products: No information available.

Specific hazards: No information available.

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Special Protective Actions for Firefighters

Specific Methods: No information available.

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

pressure-demand, MSHA/NIOSH (approved or equivalent)

and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Do not touch

damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent entry into waterways,

sewers, basements or confined areas. 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 Dilute with water. Absorb spill with inert material (e.g. vermiculite, dry sand or

earth). 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.

Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Use only in well-ventilated areas. Do not breathe vapors or spray mist. Do not ingest. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep refrigerated. Keep at temperatures between 2 and 8 °C. Store away from incompatible materials. Store in a segregated and approved area. May corrode metallic surfaces. Do not store in uncoated metallic containers. Do not store in Aluminum, Carbon steel, Copper, Mild steel or Iron containers.

Incompatible Materials:

Bases
Oxidizing agents
Strong acids
Amines
Alcohols
Ammonia
Ketones

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WHEEL
Water	7732-18-5	None	None	None	None
Glutaraldehyde	111-30-8	None	0.2 ppm Ceiling 0.8 mg/m³ Ceiling	0.05 ppm Ceiling	None

Canada

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Water	7732-18-5	None	None	None	None
Glutaraldehyde	111-30-8	0.05 ppm Ceiling 0.2 mg/m³ Ceiling	0.05 ppm Ceiling	0.05 ppm Ceiling activated and inactivated	0.1 ppm Ceiling 0.41 mg/m³ Ceiling

Australia and Mexico

Components	CAS-No.	Australia	Mexico
Water	7732-18-5	None	None
Glutaraldehyde	111-30-8	None	0.2 ppm Ceiling
			0.7 mg/m ³ Ceiling

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 Face-shield

Skin and body protection: Chemical resistant apron

Long sleeved clothing

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:LiquidClear.Colorless.

Odor: Taste Formula:

No information available. No information available. No information available

Product code: GL140 Product name: GLUTARALDEHYDE, 5 / 14

Molecular/Formula weight:Flammability:Flashpoint (°C/°F):No information availableNo information available.

Flash Point Tested according to: Autoignition Temperature (°C/°F): Lower Explosion Limit (%):

Not available No information available No information available

Upper Explosion Limit (%): Melting point/range(°C/°F): Decomposition temperature(°C/°F):

No information available No information available No information available

Boiling point/range(°C/°F): Bulk density: Density (g/cm3):

101 °C/213.8 °F No information available No information available

Specific gravity: pH: Vapor pressure @ 20°C (kPa):

1.06 No information available No information available

Evaporation rate: Vapor density: VOC content (g/L): No information available 1.05 No information available

Odor threshold (ppm): Partition coefficient Viscosity:

No information available (n-octanol/water): No information available

No information available

Miscibility: Solubility:

No information available Completely soluble in water

10. STABILITY AND REACTIVITY

Reactivity

No information available

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

<u>Conditions to avoid:</u> Heat. Incompatible materials.

Incompatible Materials: Bases

Oxidizing agents Strong acids Amines Alcohols Ammonia Ketones

Hazardous decomposition

products:

Carbon oxides.

Other Information

Corrosivity: Avoid contact with metals such as Aluminum, Carbon steel, Copper, Iron, or Mild steel

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product code: GL140 Product name: GLUTARALDEHYDE,

Principal Routes of Exposure:

Ingestion. Inhalation. Eyes. Skin.

Acute Toxicity

Component Information

Water

CAS-No. 7732-18-5

LD50/oral/rat = > 90 mL/kg Oral LD50 Rat

LD50/oral/mouse = No information available

LD50/dermal/rabbit = No information available

LD50/dermal/rat = No information available

LC50/inhalation/rat = No information available

LC50/inhalation/mouse = No infomation available

Other LD50 or LC50information = No information available

Glutaraldehyde

CAS-No. 111-30-8

LD50/oral/rat = 252 mg/kg Oral LD50 Rat (LOLI); 140 mg/kg (RTECS)

LD50/oral/mouse = 231 mg/kg (RTECS); 134 mg/kg (RTECS)

LD50/dermal/rabbit = 560 μL/kg Dermal LD50Rabbit

LD50/dermal/rat = >2500 mg/kg (RTECS)

LC50/inhalation/rat = 0.1 mg/L Inhalation LC50 Rat 4 h; .480 mg/l 4 h (RTECS); 24-5000 ppm 4 h (LOLI)

LC50/inhalation/mouse = No infomation available

Other LD50 or LC50information = No information available

Product Information

LD50/oral/rat =

VALUE- Acute Tox Oral = No information available

LD50/oral/mouse =

Value - Acute Tox Oral = No information available

LD50/dermal/rabbit

VALUE-Acute Tox Dermal = No information available

LD50/dermal/rat

VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat

VALUE-Vapor = No information available

VALUE-Gas = No information available

VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse

VALUE-Vapor = No information available

VALUE - Gas = No information available

VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Corrosive. Causes severe irritation and burns. May cause staining of the skin and

nails to a brown or golden brown color. It may be absorbed through the skin.

Eye Contact: Causes severe irritation and burns.

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Inhalation Harmful by inhalation. Irritating to respiratory system. May cause headache,

nausea, vomiting. Symptoms may include coughing and shortness of breath. Symptoms may include coughing, chest pain, difficulty breathing. It may affect the

cardiovasular system (rapid heart beat (tachycardia), palpitations).

Ingestion Harmful if swallowed. Causes digestive (gastrointestinal) tract irritation. May cause

digestive (gastrointestinal) tract burns. Corrosive to the mouth, throat, and stomach. It causes irritation or a burning sensation of the mouth and throat. May cause a burning sensation in the mouth, chest, and stomach. May cause abdominal pain, nausea, vomiting, diarrhea. It may affect the kidneys and liver. May affect behavior/central nervous system (somnolence, ataxia). May affect behavior/central nervous system (dizziness, drowsiness). May cause headache. It may cause twitching or tremors. May affect behavior/central nervous system (convulsions, seizures). May affect behavior/central nervous system (depression

or excitement).

Aspiration hazard No information available.

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

Chronic Toxicity Skin: Sensitizer. May cause allergic skin reaction (allergic contact dermatitis).

Prolonged or repeated inhalation may cause allergic reaction. Prolonged or repeated inhalation may cause asthma-like allergy and asthma attacks with shortness of breath, difficulty breathing, wheezing, coughing, and/or chest tightness. Prolonged or repeated ingestion may affect the liver, and kidneys. Prolonged or repeated ingestion may affect the blood (normocytic anemia).

Sensitization: May cause sensitization by inhalation and skin contact.

Mutagenic Effects: For Glutaraldehyde:

Mutations in microorganisms

Experiments with bacteria and/or yeast have shown mutagenic effects

Mutagenic effects in mammalian somatic cells

Sister Chromatid Exchange: Hamster ovary (RTECS)

Carcinogenic effects: Not considered carcinogenic.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Water	7732-18-5	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
Glutaraldehyde	111-30-8	Not listed	A4 Not Classifiable as a Human Carcinogen	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: May cause adverse reproductive effects based on animal data

There are no adequate and well-controlled studies in humans. Data in humans

were insufficient to evaluate the effects on reproduction

Developmental Effects: No information available

Product code: GL140 Product name: GLUTARALDEHYDE,

Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure STOT - repeated exposure

Target Organs:

No information available. No information available. No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

Glutaraldehyde - 111-30-8

Freshwater Algae Data: 0.61 mg/L EC50 Desmodesmus subspicatus 72 h 0.84 mg/L EC50 Desmodesmus

subspicatus 96 h

Freshwater Fish Species Data: 7.8 - 22 mg/L LC50 Lepomis macrochirus 96 h static 1 2.6 - 4.8 mg/L LC50

Oncorhynchus mykiss 96 h flow-through 1 7.8 - 13 mg/L LC50 Oncorhynchus

mykiss 96 h static 1 5.4 mg/L LC50 Pimephales promelas 96 h static 1

Water Flea Data: 14 mg/L EC50 Daphnia magna 48 h 0.56 - 1.0 mg/L EC50 Daphnia magna 48 h

Persistence and degradability: No information available

Bioaccumulative potential: No information available.

Mobility: No information available.

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

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Water	7732-18-5	None	None	None	None
Glutaraldehyde	111-30-8	None	None	None	None

14. TRANSPORT INFORMATION

DOT

JN-No: UN3265

Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s.

Hazard Class: 8

Subsidiary Class No information available

Packing group: III Emergency Response Guide 153

Number

Marine PollutantSevere Marine PollutantDOT RQ (Ibs):No information availableSpecial ProvisionsIB3, T7, TP1, TP28

Product code: GL140 Product name: GLUTARALDEHYDE,

Symbol(s): No information available

Description: UN3265, Corrosive liquid, acidic, organic, n.o.s. (Glutaraldehyde), 8, III

TDG (Canada)

UN-No: UN3265

Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s.

Hazard Class:

Subsidiary Risk: No information available

Packing Group: III

Marine Pollutant No Information available

Description: UN3265, Corrosive liquid, acidic, organic, n.o.s. (Glutaraldehyde), 8, III

ADR

UN-No: UN3265

Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s.

Hazard Class: 8
Packing Group: |||

Subsidiary Risk: No information available

Special Provisions 274

Description: UN3265, Corrosive liquid, acidic, organic, n.o.s. (Glutaraldehyde), 8, III,

ENVIRONMENTALLY HAZARDOUS

IMO / IMDG

UN-No: UN3265

Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s.

Hazard Class: 8

Subsidiary Risk: No information available

Packing Group:

Marine Pollutant No information available

EMS: F-A

Special Provisions 223, 274

Description UN3265, Corrosive liquid, acidic, organic, n.o.s. (GLUTARALDEHYDE), 8, III,

Marine pollutant

RID

UN-No: UN3265

Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s.

Hazard Class:

Subsidiary Risk: No information available

Packing Group: III Special Provisions 274

Description: UN3265, Corrosive liquid, acidic, organic, n.o.s. (Glutaraldehyde), 8, III,

ENVIRONMENTALLY HAZARDOUS

ICAO

UN-No: UN3265

Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s.

Hazard Class: 8

Subsidiary Risk: No information available

Packing Group:

Description: UN3265, Corrosive liquid, acidic, organic, n.o.s. (Glutaraldehyde), 8, III

Special Provisions A3

IATA

UN-No: UN3265

Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s.

Hazard Class: 8

Subsidiary Risk: No information available

Packing Group:

ERG Code: 8L

Special Provisions No information available

UN3265, Corrosive liquid, acidic, organic, n.o.s. (Glutaraldehyde), 8, III **Description:**

15. REGULATORY INFORMATION

International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Water	7732-18-5	Present	Present KE-35400	Present	Not present	Present	Present	Present 231-791-2
Glutaraldehyde	111-30-8	Present	Present KE-27969	Present	Present (2)-509	Present	Present	Present 203-856-5

U.S. Regulations

Glutaraldehyde

Massachusetts RTK: Present

New Jersey RTK Hazardous Substance List: 0960

Pennsylvania RTK: Present

Minnesota - Hazardous Substance List: Present

California Directors List of Hazardous Substances: Present

21 CFR 172.230, 21 CFR 173.320, 21 CFR 173.357 **FDA - Direct Food Additives**

FDA - 21 CFR - Total Food Additives 172.230, 173.320, 173.357, 175.105, 176.170, 176.180, 176.300

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)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male	Female
				Reproductive	Reproductive
				Toxicity	Toxicity:
Water	7732-18-5	Not Listed	Not Listed	Not Listed	Not Listed
Glutaraldehyde	111-30-8	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Components	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
Water	7732-18-5	None	None	None	None	None
Glutaraldehyde	111-30-8	None	None	None	None	None

U.S. TSCA

Components		· · · · · · · · · · · · · · · · · · ·	TSCA 8(d) -Health and Safety Reporting
Water	7732-18-5	Not Applicable	Not Applicable
Glutaraldehyde	111-30-8	Not Applicable	09/30/199106/30/1998

Canada

WHIMIS 2015 - GHS Classifications

Product code: GL140 Product name: GLUTARALDEHYDE, 11/14

WHMIS 2015 Hazard Classification Information:

Component Water 7732-18-5 (75.5-76.5) Glutaraldehyde 111-30-8 (23.5-24.5) WHMIS 2015 Hazard Classification Not a dangerous product according to HPR classification criteria

Acute toxicity - Oral - Category 3: H301 Toxic if swallowed.; Acute toxicity - Inhalation - Category 2: H330 Fatal if inhaled.; Health Hazard Not Otherwise Classified - Category 1: Causes severe damage to the respiratory tract; Skin corrosion/irritation - Category 1: H314 Causes severe skin burns and eye damage.; Serious Eye Damage/Eye Irritation - Category 1: H318 Causes serious eye damage.; Respiratory sensitizers - Category 1B: H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.; Skin sensitizers - Category 1A: 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

WHMIS 1988 Hazard Class

E Corrosive material D2B Toxic materials D1B Toxic materials

Components WHMIS 1988

Water Uncontrolled product according to WHMIS classification

criteria

Glutaraldehyde D1A,D2B,E

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
Glutaraldehyde	1 %

Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Water	7732-18-5	Present	Not Listed
Glutaraldehyde	111-30-8	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Water	7732-18-5	Not listed
Glutaraldehyde	111-30-8	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Water	7732-18-5	Not listed
Glutaraldehyde	111-30-8	Not listed

EU Classification

EU GHS - SV - CLP 172/2008

Product code: GL140

Components	CAS-No.	EU GHS - SV - CLP (172/2008)
Water	7732-18-5	
Glutaraldehyde	111-30-8	Acute toxicity - Oral - Acute Tox. 3: H301 Toxic if swallowed.; Acute toxicity - Inhalation - Acute Tox. 2: H330 Fatal if inhaled.; Skin corrosion/irritation - Skin Corr. 1B: H314 Causes severe skin burns and eye damage.; Respiratory sensitizers - Resp. Sens. 1: H334 May cause allergic or asthmatic symptoms or

Product name: GLUTARALDEHYDE, 24 PERCENT AQUEOUS SOLUTION

breathing difficulties if inhaled.; Skin sensitizers - Skin Sens. 1A: H317 May cause allergic skin reaction.; Specific target organ toxicity - Single exposure - STOT SE 3: H335 May cause respiratory irritation. (0.5 % <= C <5 %); Hazardous to aquatic environment acute hazard - Aquatic Acute 1: H400 Very toxic to aquatic life. (M Factor: 1); Hazardous to aquatic environment chronic hazard - Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects. (M Factor: 1); Supplemental Hazards: EUH071 Corrosive to respiratory tract.605-022-00-X Specific target organ toxicity - Single exposure - STOT SE 3: H335 May cause respiratory irritation. (0.5 % <= C <5 %)605-022-00-X

EU - CLP (1272/2008)

R-phrase(s)

not determined (not applicable)

S -phrase(s)

none

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Water	7732-18-5		No information	
Glutaraldehyde	111-30-8	T; R23/25 C; R34 R42/43 N; R50	50%<=C T; R25 2%<=C<50% Xn; R22 25%<=C T; R23 2%<=C<25% Xn; R20 10%<=C C; R34 2%<=C<10% Xi; R37/38-41 0.5%<=C<2% Xi; R36/37/38 0.5%<=C R43	S: (1/2)-26-36/36/39-45-6 1

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

Indication of danger:

None.

16. OTHER INFORMATION

Preparation Date: 6/20/2017
Revision Date: 6/20/2017
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: GL140