

SDS# CLL-1, CLL-4
Issue 1, Version 2 Revised 21 October 2016
Safety Data Sheet according to Regulation (EC) No 1272/2008 (CLP)

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SECTION 1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Product identifier

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1.2 Relevant identified uses of the mixture and uses advised against

Resin based thread sealant

Uses advised against: Any applications other than those specified above.

1.3 Details of the supplier of the safety data sheet

US

DiversiTech Corporation
6650 Sugarloaf Parkway
Duluth, GA, 30097

UK

DiversiTech UK Limited
Glaisdale Drive East
Nottingham
NG8 4LY
United Kingdom
Tel: +44 1159005858
Fax: +44 1159294468
Email: www.diversitech.com

1.4 Telephone number

Emergency tel: 1+678.542.3600

Emergency tel: 1 800.255.3924 (USA), 001+ 1813 248 0585 (UK), 24 Hours, 7 Emergency Days, Chem-Tel, Inc.

SECTION 2. HAZARDOUS IDENTIFICATION

2.1 Classification of the mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Flammable Liquids Category 3
Specific Target Organ Toxicity (Single Exposure) Category 3

2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard Pictograms



Signal Word Danger!

Hazard Statement(s)

H226 Flammable liquid and vapour.
H335 May cause respiratory irritation.

Precautionary statement(s)

P102 Keep out of reach of children.
P103 Read label before use.

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SECTION 2. HAZARDOUS IDENTIFICATION (cont.)

2.2 Label Elements (cont.)

P202	Do not handle until all safety precautions have been read and understood.
P233	Keep container tightly closed.
P262	Do not get in eyes, on skin, or on clothing.
P260	Do not breathe mist, vapours, or spray.
P280	Wear rubber, nitrile, or neoprene protective gloves and clothing, and safety goggles or face shield to protect eyes and face.
P304+340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P370+378	In case of fire: Use apply alcohol-type or all-purpose foam for large fires. Use carbon dioxide or dry chemical media for small fires.
P403+235	Store in a well ventilated place. Keep cool.

2.3 Other hazards

PBT. This substance is not identified as a PBT substance.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

INGREDIENT	Index No.	CAS No.	EC No.	% or Range	Regulation (EC) No 1272/2008 [CLP]
Ethanol	603-002-00-5	64-17-5	200-578-6	20-30	H225: Highly flammable Liquid and vapour H319: Causes serious Eye irritation. Category 2 Category 2A

3.2 Mixtures

No further information

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Skin Contact: Wash skin with soap and water for at least 15 minutes if irritation develops or persists, get medical attention.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing lifting lower and upper eyelids occasionally. If irritation persists, get medical attention.

Ingestion: Rinse mouth. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Call your national POISON CENTRE information service or doctor for medical advice.

Inhalation: Remove person to fresh air and keep comfortable for breathing. If not breathing give artificial respiration. Get medical attention.

4.2. Most important symptoms and effects, both acute and delayed:

Inhalation: High vapor concentration may cause burning sensation in nose and throat and stinging and watering in the eyes. At concentrations which cause irritation, dizziness, faintness, drowsiness, nausea and vomiting may also occur.

Ingestion: May cause dizziness, faintness, drowsiness decreased awareness or responsiveness, nausea, vomiting, staggering gait, lack of coordination, blindness, coma and death.

Skin Contact: Prolonged or repeated contact may cause defatting and drying of the skin.

Eye Contact: May cause irritation including stinging, tearing, and redness.

4.3 Indication of any immediate medical attention and special treatment needed: Long term repeated oral exposure to ethanol may result in the development of progressive liver injury with fibrosis. Overexposure to methanol may cause eye damage and liver or kidney injury.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Apply alcohol-type or all-purpose foam by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

5.2 Special hazards arising from the substance or mixture

Vapors may travel to source of ignition and flash back. Vapors may settle in low or confined spaces, or produce a floating fire hazard. Static ignition hazard can result from handling and use.

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SECTION 5. FIREFIGHTING MEASURES (cont.)

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Use water spray to keep fire-exposed containers cool and to knock down vapours that may result from product decomposition.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Remove contaminated clothing immediately. Keep unnecessary and unprotected people away from area of spill. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Keep spark, flames and heat sources away from spill. Ventilate area of leak or spill. Only personnel equipped with proper respiratory (organic vapour cartridge) and eye/skin protection (neoprene or nitrile gloves and aprons or coveralls; neoprene or urethane boots) should be permitted in the area until air has been tested and determined safe, including low lying areas.

6.2 Environmental precautions

Do not discharge into drains or rivers. Contain the spillage.

6.3 Methods and material for containment and cleaning up

Absorb and contain liquid with clay, vermiculite or other inert substance and package in a recovery drum or other suitable container for disposal.

6.4 Reference to other sections

Please refer to Section 8 for details on protective wear.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Protect from physical damage. Ensure there is sufficient ventilation of the area. Wash hands after handling.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in a cool dry ventilated area away from sources of extreme heat moisture and incompatibilities.

7.3 Specific end use(s)

Resin based thread sealant
Industrial section specific solution: None.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

OSHA TLV

Ethanol: CAS# 64-17-5: 1000 ppm

8.2 Exposure Controls

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators (NIOSH Approved)

Use in a well-ventilated area. If vapors are generated and exceed the TLV, use of air-purifying respirators and follow respiratory program meeting OSHA 910.134 and ANSI Z88.2 requirements.

Skin Protection

Wear rubber, neoprene, nitrile, Saranex® boots, gloves, lab coat, apron or coveralls, as necessary and appropriate, to prevent skin contact.

Eye Protection

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities or a source of running water in the work area.

Work Hygienic Practices

Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating, smoking or using a bathroom.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Gray paste
Odor: Mild alcohol-like
Odor Threshold: Not established
pH @ 25°C: Not available
Melting Point (Pour Point): Not available
Boiling Point: Not available
Flash Point: 17°C
Evaporation Rate (Water = 1): ~3.3 (for solvent phase)
Flammable Limits: No data available
LEL:
UEL:
Vapor pressure (mm Hg): ~45 mm Hg @ 20°C
Vapor Density (Air = 1): 1.6

Specific gravity (H₂O = 1): 1.11
Solubility in water: insoluble solid phase; solvent phase is water-miscible
Octanol/Water Partition Coefficient: Not available
Autoignition Temperature: Not available
Decomposition Temperature: Not available

9.2 Other information

No further details

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of Hazardous Reactions

No data available.

10.4 Conditions to Avoid

Heat, Incompatibles.

10.5 Incompatible Materials

Strong oxidizers and strong acids.

10.6 Hazardous Decomposition Products

May evolve carbon monoxide, carbon dioxide if burned.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Potential Health Effects:

11.1.1 Acute Toxicity: No data available

11.1.2 Irritation: If in contact with eye, there may be irritation and pain.

11.1.3 Corrosive: Non-Corrosive.

11.1.4 Sensitisation: Not expected to be a sensitizer

11.1.5 Repeated dose toxicity: Repeated exposure may cause skin dryness or cracking.

11.1.6 Carcinogenicity: Not expected to be carcinogenic.

11.1.7 Mutagenicity: Not expected to be mutagenic.

11.1.8 Toxicity for reproduction: Not expected to be toxic to reproduction.

11.1.9 Route of exposure: Inhalation

11.1.10 Symptoms related to the physical, chemical and toxicological characteristics: Long term repeated oral exposure to ethanol may result in the development of progressive liver injury with fibrosis.

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SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data.

12.2 Persistence and degradability

Biodegradable

12.3 Bioaccumulative potential

No bioaccumulation potential.

12.4 Mobility in soil

Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

None

12.6 Other adverse effects

None

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations: Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility.

Disposal of packaging: Ensure that containers are empty before discarding.

Please follow all local, regional, national and international laws.

SECTION 14. TRANSPORTATION INFORMATION

14.1 UN Number

UN1133

14.2 UN Proper Shipping Name

Adhesives(DOT), Flammable Liquid

14.3 Transport Hazard Class

3

14.4 Packing Group

III

14.5 Environmental hazards

Not environmentally hazardous substance

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable to packaged goods

Mode-Specific Information:

ROAD/RAIL (ADR/RID/CDG)

Adhesive, Flammable Liquid, 3, PGIII

SEA (IMDG)

Not Marine Pollutant
Adhesive, Flammable Liquid, 3, PGIII
EmS: F-E S-E

AIR (ICAO/IATA)

Adhesive, Flammable Liquid, 3, PGIII

UN1133, Adhesives, Flammable Liquid, Hazard Class 3, Packing group III, Limited Quantity ORM-D(domestic) for inner packaging containing 1 liter or less.

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SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

15.2 Chemical safety assessment

A chemical safety assessment has not been conducted.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

SECTION 16. OTHER INFORMATION:

Revision Summary: All Sections: New GHS Format

SDS DATE REVISED: 10/18/2016

This safety data sheet is prepared in accordance with Regulation (EC) No 1272/2008 (CLP).

Revision Summary: All Sections: New GHS Format

Abbreviations:

UN Model Regulations means the Model Regulations annexed to the most recently revised edition of the Recommendations on the Transport of Dangerous Goods published by the United Nations.

IMDG Code means the International Maritime Dangerous Goods code, as amended.

ADR means the European Agreement concerning the International Carriage of Dangerous Goods by Road, as amended.

RID means the Regulations concerning the International Carriage of Dangerous Goods by Rail, as amended.

ADN means the European Agreement concerning the International Transport of Dangerous Goods by Inland Waterways, as amended.

Sources of key data:

UK Regulatory References: The Control of Substances Hazardous to Health Regulations 2002 (as amended 2004). European Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.

Approved Code of Practice: Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply. British

Workplace Exposure Limits EH40.

Classification and Labelling Guidance: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Annex 2

Precautionary Statement and Pictograms: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Annex 3

Guidance on the Preparation of Safety Data Sheets: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Annex 4.