

SDS Cool Weld-32
Issue 1, Version 3, Revised 26 August 2017

Total Pages: 5

Cool-Weld™

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Cool-Weld™ Gel Heat Sink Spray

1.2 Relevant identified uses of the substances or mixture and uses advised against

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

1.3 Details of the supplier of the safety data sheet

Manufactured by (USA): DiversiTech Corporation

6650 Sugarloaf Parkway
Duluth, GA 30097

Manufactured for (UK): Pump House
Glaisdale Drive East
Nottingham
NG8 4LY

United Kingdom
Tel: +44 1159005858
Fax: +44 1159294468
Email: www.pumph.co.uk.com

1.4 Emergency telephone number

Emergency tel: 001 +1813 248 0585, 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)

GHS Classification:

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

2.2 Label Elements:

The product does not require a hazard warning label in accordance with GHS criteria.

2.3 Other Hazards

PBT: This product does not contain substances identified as PBT or vPvB.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

INGREDIENT	CAS No.	EINECS No.	% or Range	GHS Classification
No component of this mixture is considered hazardous by OSHA Hazard Communication Standard (29CFR 1910.1200)				

3.2 Mixtures

No further information

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion: DO NOT INDUCE VOMITING! Give large quantities of water or milk if available. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact: Wash with soap and water. Rinse with copious amounts of fresh, running water. If irritation persists, get medical attention.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

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SECTION 4. FIRST AID MEASURES (cont.)

4.2 Most important symptoms and effects, both acute and delayed

Ingestion: Swallowing may cause gastro-intestinal irritation, nausea, vomiting, diarrhea.

Skin Contact: Frequent or prolonged contact may cause minor irritation or drying of skin.

Eye Contact: May cause mild, temporary irritation of eyes.

Aggravation of Pre-existing Conditions: Persons with pre-existing skin disorders or eye problems may be more susceptible to the effects of the product.

4.3 Indication of any immediate attention and special treatment needed

Immediately flush eyes if contact is made. If inhaled or ingested seek medical advice immediately.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing Media: This product is not flammable.

5.2 Special hazards arising from the substance or mixture

No.

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Cool exposed containers with water sprat to prevent rupturing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Remove contaminated clothing a launder before re use. Keep unnecessary and unprotected people away from area of spill. Ventilate area of leak or spill.

6.2 Environmental precautions

Do not discharge into drains or rivers.

6.3 Methods and material for containment and cleaning up

Absorb neutralized residue on clay, vermiculite or other inert substance and package in a recovery drum or other suitable container for disposal. Wash away residues with water.

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. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool, well-ventilated area. Keep container tightly closed.

7.3 Specific end use(s):

Heat sink spray.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Airborne Exposure Limits: Not available.

8.2 Appropriate Engineering 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.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (cont.)

Personal Respirators (NIOSH Approved): Not required for normal use in accordance with label directions.

Skin Protection: Use latex, neoprene or nitrile gloves to minimize skin contact.

Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. A source of running water or other eyewash provisions should be nearby.

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Viscous tan/greyish gel

Odor: Odorless

Odor Threshold: Not established

pH @ 25°C: 7.0-8.5

Melting Point (Pour Point): $\leq 0^{\circ}\text{C}$ (32°F)

Boiling Point: $>102^{\circ}\text{C}$ (215°F)

Flash Point: None

Evaporation Rate (Water = 1): > 1

Flammable Limits: Not available

LEL: N/A

UEL: N/A

Solubility in water: Dispersible

Octanol/Water Partition Coefficient: Not available

Autoignition Temperature: Not available

Decomposition Temperature: Not available

Vapor pressure (mm Hg): 17.8 @20°C

Vapor Density (Air = 1): ~0.85

SECTION 10. STABILITY AND REACTIVITY

10.1 Chemical Stability: Stable under ordinary conditions of use and storage.

10.2 Possibility of Hazardous Reactions: Will not occur.

10.3 Conditions to Avoid: Incompatibles.

10.4 Incompatible Materials: Avoid contact with strong oxidizing agents, strong alkalis and strong acids.

10.5 Hazardous Decomposition Products: None suggested.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Potential Health Effects:

11.1.1 Inhalation: Mist or spray may be slightly irritating to respiratory tract.

11.1.2 Ingestion: Swallowing may cause gastro-intestinal irritation, nausea, vomiting, diarrhea.

11.1.3 Skin Contact: Frequent or prolonged contact may cause minor irritation or drying of skin.

11.1.4 Eye Contact: May cause mild, temporary irritation of eyes.

11.1.5 Aggravation of Pre-existing Conditions: Persons with pre-existing skin disorders or eye problems may be more susceptible to the effects of the product.

11.1.6 Carcinogenic effects: None known

11.1.7 Teratogenicity/Reproductive toxicity: None known

11.1.8 Mutagenic effects: None known

11.1.9 Numerical Measures of Toxicity: Not available

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

No data available

12.2 Aquatic:

Not available

12.3 Persistence and Degradability:

Not applicable

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SECTION 12. ECOLOGICAL INFORMATION (cont.)

12.3 Bioaccumulative Potential:

It is not expected to bio-accumulate.

12.4 Mobility in Soil:

Final destination of reacted products is water. Readily absorbed into soil.

12.5 Other Adverse Effects:

None known

12.6 Other:

None known

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of spill clean up and other wastes in accordance with Federal, State, and local regulations. Whatever cannot be saved by recovery should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. Empty containers of this material, properly rinsed with water, pose no disposal hazard and may be recycled. State and local disposal regulations may differ from federal disposal regulations.

SECTION 14. TRANSPORTATION INFORMATION

14.1 UN Number:

Not applicable

14.2 UN Proper Shipping Name:

Not applicable

14.3 Transport hazard class(es):

Not applicable

14.4 Packing group:

Not applicable

14.5 Environmental hazards:

Not Environmentally Hazardous Substance or Marine Pollutant

14.6 Special precautions for user:

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15. REGULATORY INFORMATION

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

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.

15.2 Chemical safety assessment

A chemical safety assessment has not been conducted.

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SECTION 16. OTHER INFORMATION

Other information

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

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