

Cool Weld

MSDS# COOL WELD

March 2012

4 pages

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Cool Weld Gel Heat Sink Spray

Manufactured by: Diversitech

6650 Sugarloaf Parkway, Duluth, GA 30097

Phone: 800-995-2222 (Product Information)

Phone: 800-255-3924 (CHEM-TEL, Chemical Emergencies Only)

Revised: 03/07/2012

Prepared By: A. Jernigan

2. HAZARDS IDENTIFICATION

Health: This product is not classified as a health hazard.

Environment: Mixture is not toxic to aquatic or terrestrial life.

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO	OSHA PEL	ACIGH TLV	OTHER STEL	% or Range
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No component of this mixture is considered hazardous by the OSHA Hazard Communication Standard (29CFR 1910.1200).

4. FIRST AID MEASURES

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

Ingestion: DO NOT INDUCE VOMITING! Drink 2-3 glasses of water or milk, and call the nearest poison control center, or the Nation Poison Control Hotline at 1-800-222-1222.

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

Eye Contact: Immediately flush eyes with large amounts of cool running water for at least 15 minutes. Lift eyelids while flushing to decontaminate the area behind the eyelid. Get medical attention as soon as first aid is complete.

5. FIREFIGHTING MEASURES

Flash Point: None **Lower Explosive Limits:** None **Upper Explosive Limits:** None

Fire Extinguishing Media: None

Special Information: This product is non-flammable. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode based on the primary fire source and associated hazards. Cool fire-exposed containers with a water spray.

Unusual Fire and Explosion Hazards: Containers exposed to extreme temperatures could build up pressure and rupture.

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6. ACCIDENTAL RELEASE MEASURES

Keep unnecessary people away from area of spill. Use appropriate personnel protective equipment when containing and recovering spilled material to minimize prolonged contact with skin or contact with eyes. Contain and absorb paste with clay, vermiculite or other inert substance, sweep up and package in a container suitable for disposal. Do not contaminate municipal sewers or other bodies of water with runoff. Dispose of absorbed material by burying in an approved landfill or by incinerating in accordance with Federal, local and state regulations.

7. HANDLING AND STORAGE

Protect from physical damage. Store in a cool, dry, ventilated area. Keep this and all chemicals out of the reach of children. Keep containers closed when not in use. Wash hands thoroughly after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Limits:

OSHA Permissible Exposure Limit (PEL): Exposure limits for this product have not been established

ACGIH Threshold Limit Value (TLV): Exposure limits for this product have not been established.

Ventilation System: Although this product does not exhibit properties listed in **Appendix C** of the **OSHA Hazard Communication Standard**, a system of local and/or general exhaust is recommended to keep employee exposures to maintain good industrial hygiene. 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: Not required for normal use. If respiratory protection is required, follow a program that meets ANSI Z88.2 or OSHA 1910.134 requirements.

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

Eye Protection: Use safety glasses that meet ANSI Z87.1 standards, chemical splash 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 and follow label instructions to minimize exposure. Wash hands after handling this material, and before eating or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous tan gel

Odor: Odorless

Odor threshold: n.a.

pH: 7.5 – 8.5

Melting point/freezing point: <0 °C (32°F)

Initial boiling point and boiling range: >102°C (215°F)

Flash point: Not applicable

Evaporation rate: (Water = 1) > 1

Flammability limits %: Not applicable

Vapor pressure: 17.8 @20°C

Vapor density: ~0.85 n.a.

Relative density: Same as water

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Solubility: Dispersible

Partition Coefficient: n-octanol/water: n.a.

Auto-ignition temperature: Not applicable

Decomposition temperature: Not applicable

Viscosity: Viscous slurry

Explosive properties: Not applicable

Oxidizing properties: Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur

Incompatibilities: Avoid contact with strong oxidizing agents, strong alkalis and strong acids.

Conditions to Avoid: Incompatibles.

11. TOXICOLOGICAL INFORMATION

NTP Carcinogen: No

Toxicological data: No data for mixture. The components are non-toxic

Acute toxicity: No data for mixture. The components are non-toxic.

Corrosivity/irritation: No data for mixture. Not a primary irritant.

12. ECOLOGICAL INFORMATION

Mobility: Final destination of reacted products is clay minerals and water. Readily adsorbed into soil.

Degradability: Does not apply

Bioaccumulative potential: No bioaccumulation potential.

Other adverse effects: None suggested.

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

UN Number: Not applicable

UN Proper Shipping Name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not Environmentally Hazardous Substance or Marine Pollutant

Special precautions for user: Not applicable

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

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15. REGULATORY INFORMATION

Labeling: Caution- Avoid contact with eyes or prolonged contact with skin

Safety phrases

US EPA:

Comprehensive Environmental Response Compensation and Liability

Act of 1980 (CERCLA): Not applicable

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III Threshold

Planning Quantity: Does not apply.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III Form R

Toxic Substances Control Act (TSCA) Status: The ingredients of this product are either listed on the TSCA inventory or exempt from listing.

State Right to Know

California Proposition 65: No components of this product appear on the Prop 65 Chemical List..

Massachusetts: Hazardous substances and extraordinarily hazardous substances must be identified.

Pennsylvania: Hazardous substances must be identified.

SARA 311/312: Acute: No Chronic: No Fire: No Pressure: No Reactivity: No

WHMIS:

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

CANADA INVENTORY (DSL/NDL): The components of this product are not listed on the DSL.

16. OTHER INFORMATION

NFPA Ratings: Health: 0 ;Flammability: 0; Reactivity: 0

Product Use: Heat control paste.

This information is, to the best of our knowledge and belief, accurate and reliable as of the date completed. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement