



A CSW Industrials Company

SAFETY DATA SHEET

COOL BRAZE®
Heat absorption putty

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product name
Cool Braze®

Product Codes
83562

Chemical Family
Organic/Inorganic

Use
Welding Aid/ Heat Sink Compound

Manufactured For
RectorSeal LLC
2601 Spenwick Drive
Houston, Texas 77055 USA

Manufactured By
SolderWeld Inc.
2050 N 300 W #72
Spanish Fork, UT 84660
Telephone: 1-800-356-8449

Date of validation
July 19, 2022
Date of Preparation
July 19, 2022

HMIS Codes
Health 0
Flammability 0
Reactivity 0
PPI B

Emergency Telephone No.
Chemtrec 24 Hours
(800) 424-9300 USA
(703) 527-3887 International
Within Australia +(61)-290372994

Technical Service Telephone No.
(800) 231-3345 or (713) 263-8001

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the substance

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Hazardous ingredients Not Applicable

Hazard statements (CLP) Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance Damp fibrous compound **Physical state** Paste / Gel Liquid **Odor** Odorless

Other information

Not applicable

Unknown acute toxicity

47 % of the mixture consists of ingredient(s) of unknown toxicity

47 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

47 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

47 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

47 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

47 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

SECTION 3 - HAZARDS IDENTIFICATION

Substance

Not applicable.

Mixture

INGREDIENTS	CAS NUMBER	Weight-%	Trade Secret
Mica	12001-26-2	30-60	*
Powdered Cellulose coarse	9004-34-6	10-30	*
Titanium dioxide	13463-67-7	1-5	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 - FIRST AID MEASURES

Description of first aid measures

Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

Explosion data

Sensitivity to mechanical impact. None.

Sensitivity to static discharge None.

Special protective equipment for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General measures:

Personal precautions. Ensure adequate ventilation.

Methods and material for containment and cleaning up

Methods for containment. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up. Pick up and transfer to properly labeled containers.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Precautions for safe handling:

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No Additional Information

Exposure Limits

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Mica 12001-26-2	TWA: 3 mg/m ³ respirable particulate matter	(vacated) TWA: 3 mg/m ³ respirable dust <1% Crystalline silica TWA: 20 mppcf<1% Crystalline silica	IDLH: 1500 mg/m ³ TWA: 3 mg/m ³ containing <1% Quartz respirable dust
Powdered Cellulose coarse 9004-34-6	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust TWA: 6 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction (vacated) STEL: 10 mg/m ³	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³ TWA: 2.4 mg/m ³ CIB 63 fine TWA: 0.3 mg/m ³ CIB 63 ultrafine, including engineered nanoscale

Appropriate engineering controls

Engineering controls Showers
 Eyewash stations
 Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection No special protective equipment required.
Skin and body protection No special protective equipment required.
Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations Handle in accordance with good industrial hygiene and safety practice

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state:	Damp	water Solubility:	No data available
Appearance:	Fibrous compound	Solubility in other solvents:	No data available
Color:	Blue	Partition coefficient:	No data available
Odor:	None	Autoignition temperature:	No data available
Odor Threshold:	No data available	Decomposition temperature:	No data available
pH:	No data available	Log pow:	No data available
Relative evaporation rate:	No data available	Viscosity, kinematic:	No data available
Melting point:	No data available	Viscosity, dynamic:	No data available
Freezing point:	No data available	Explosive properties:	No data available
Boiling point:	No data available	Oxidizing properties:	Dries when heated
Flash point:	No data available	VOC Content (%):	No data available
Auto-ignition temp:	No data available		
Decomposition temperature:	No data available		
Flammability (solid, gas):	No data available		
Flammability Limit in Air			
Upper flammability or explosive limits:	No data available		
Lower flammability or explosive limits:	No data available		
Vapor pressure:	No data available		
Relative vapor density at 20 C:	No data available		
Relative density:	No data available		

SECTION 10 - STABILITY AND REACTIVITY

Reactivity

Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms

Acute toxicity

Numerical measures of toxicity

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

ATEmix (oral)	7,296.20 mg/kg
ATEmix (dermal)	7,169.30 mg/kg
ATEmix (inhalation-dust/mist)	25.6423 mg/l

Unknown acute toxicity	47 % of the mixture consists of ingredient(s) of unknown toxicity
	47 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
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	47 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
	47 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
	47 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Product Information

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Powdered Cellulose coarse 9004-34-6	>5 g/kg (Rat)	>2 g/kg (Rabbit) >2000 mg/kg (Rabbit)	>5800 mg/m ³ (Rat) 4h
Titanium dioxide 13463-67-7	>1000 mg/kg (Rat)	-	-

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

<u>Skin corrosion/irritation</u>	Product Information
<u>Serious eye damage/eye irritation</u>	Product Information
<u>Respiratory or skin sensitization</u>	Product Information
<u>Germ cell mutagenicity</u>	Product Information

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical name	ACGIH	IARC	NTP	OSHA
Powdered Cellulose coarse 9004-34-6	-	Group 1	Known	X
Titanium dioxide 13463-67-7	-	Group 2B	-	X

Legend

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

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

X - Present

Reproductive toxicity	Product Information
STOT - single exposure	Product Information
STOT - repeated exposure	Product Information
Target organ effects	Respiratory system, Eyes, Skin, Lungs.
Aspiration hazard	
Other adverse effects	Interactive effects

SECTION 12 - ECOLOGY INFORMATION

Ecotoxicity

Product Information

Persistence and degradability

Bioaccumulation There is no data for this product.

Other adverse effects

SECTION 13 - DISPOSAL CONSIDERATION

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14 - TRANSPORTATION INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO (air)</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA	Contact supplier for inventory compliance status.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

US State Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Mica 12001-26-2	X	X	X
Water 7732-18-5	-	-	X
Powdered Cellulose coarse 9004-34-6	X	X	X
Titanium dioxide 13463-67-7	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

SECTION 16: OTHER INFORMATION

NFPA Health hazards 1 **Flammability** 0 **Instability** 0 **Physical and chemical properties** -

HMIS Health hazards 2 **Flammability** 0 **Physical hazards** 0 **Personal protection** X

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) **STEL** STEL (Short Term Exposure Limit)
Ceiling Maximum limit value * Skin designation

Key literature references and sources for data used to compile the SDS

- Agency for Toxic Substances and Disease Registry (ATSDR)
- U.S. Environmental Protection Agency ChemView Database
- European Food Safety Authority (EFSA)
- EPA (Environmental Protection Agency)
- Acute Exposure Guideline Level(s) (AEGl(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

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