



A CSW Industrials Company

SAFETY DATA SHEET

HOT BLOCK®
Heat absorption putty

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product name
Hot Block®

Product Codes
83561

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

HMIS Codes
Health 0
Flammability 0
Reactivity 0
PPI B

Date of validation
October 14, 2020

Date of Preparation
October 14, 2020

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

2.1 Classification of the substance

Not Applicable

2.2 Label elements

Hazardous ingredients Not Applicable

Hazard statements (CLP) H317 May cause an allergic skin reaction

Precautionary statements (CLP) Precautionary Statements

- P314 Get medical advice/attention if you feel unwell.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P501 Dispose of contents/container to waste treatment facility in accordance with local and national regulations.

2.3 Other Hazards

WARNING: avoid breathing welding fumes and gases; they may be dangerous to your health. Always use adequate ventilation and use appropriate personal protection equipment.

CARCINOGENICITY

WELDING FUMES (not otherwise specified) are considered to be carcinogenic defined with no further categorization by NIOSH and IARC.

SECTION 3 - HAZARDS IDENTIFICATION

3.1 Mixture

IMPORTANT: This section covers the materials from which these products are manufactured. Any of the chemicals or compounds subject to reporting under Title III, in Section 313, of the Superfund Amendments and Reauthorization Act (SARA) are marked by the symbol #.

Exposure Limit (mg/m³)

INGREDIENTS	CAS NUMBER	OSHA PEL	ACGIH-TLV	Percent Ingredients (by Weight)
Cellulose	9004-34-6	5	10	7 – 13
Sodium Chloride	7647-14-5	Not listed	Not listed	10 – 30
Mica	12001-26-2 20	mppcf*	3	10 – 30
Water	7732-18-5	Not listed	Not listed	30 – 60

Balance: other proprietary ingredients that are non-toxic or carcinogenic and are claimed as trade secrets.

*mppcf = millions of particles per cubic foot of air

CAS / EINECS NUMBER / HAZARD CLASSIFICATION FOR ABOVE INGREDIENTS

INGREDIENTS	CAS NUMBER	EINECS NUMBER	Hazard Classification per ECD 67/548/EEC
Cellulose	9004-34-6	232-674-9	No
Sodium Chloride	7647-14-5	231-598-3	No
Mica	12001-26-2	310-127-6	No
Water	7732-18-5	231-791-2	No

Exposure limits are subject to change. Contact ACGIH and OSHA for current values. See Section 16 for European Council Directive 67/548/EEC R-phrases and S-phrases if applicable.

SECTION 4 - FIRST AID MEASURES

4.1 Description of first aid measures

First aid measures general:	Call for medical aid and inform them of the ingredients from Section 3. Employ first aid techniques recommended by The American Red Cross.
First aid measures after inhalation:	Remove to fresh air. If breathing is difficult administer oxygen. If breathing has stopped, begin artificial respiration and obtain medical assistance immediately.
First aid measures after skin contact:	Wash affected area with soap and water to remove product. If rash develops, see a physician. Get medical attention for irritations that persist.
First aid measures after eye contact:	Flush with a large amount of fresh water for at least 15 minutes. Get medical attention.
First aid measures after ingestion:	Seek medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation: Not likely to be hazardous by inhalation.
- Symptoms/injuries after skin contact: Rashes/irritations due to contact may occur.
- Symptoms/injuries after eye contact: Inert foreign body hazard only.
- Symptoms/injuries after ingestion: Danger of damage to health if swallowed (nausea, vomiting, and stomach pains)

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use the extinguishing media recommended for the burning material and fire situation.

5.2 Special hazards arising from the mixture

- Fire hazard: Nonflammable
- Explosion hazard: None
- Reactivity in case of fire: None
- Hazardous decomposition products in case of fire: Overheating may generate a non-toxic nuisance dust.

5.3 Advice for firefighters

- Precautionary measure fire: No Additional Information provided
- Firefighting instructions: Use the extinguishing media recommended for the burning material and fire situation.
- Protection during firefighting: Use NIOSH/MSHA self contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

General measures:

6.1.1 For non-emergency personnel

- Protective equipment: Wear suitable protective clothing, gloves and eye or face protection.
- Emergency procedures: Ventilate area. Avoid contact with skin and eyes. Avoid breathing dust/fume.
- Measures in case of dust release: Where excessive dust may result, use approved respiratory protection equip.

6.1.2 For emergency responders

- Protective equipment: Do not attempt to take action without suitable protective equipment. Wear suitable protective clothing, gloves and eye or face protection. For further information refer to section 8: "Exposure controls/personal protection". Avoid contact with skin and eyes. Avoid breathing dust/fume.
- Emergency procedures: Evacuate unnecessary personnel. Ventilate area.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

For containment:	No special measures required.
Methods for cleaning up:	Recover mechanically the product. This material and its container must be disposed of in a safe way and as per local legislation.
Other information:	Dispose of in accordance with relevant local regulations. This material and its container must be disposed of as hazardous waste.

6.4 Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer section 13: "Disposal considerations".

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling:	Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume.
Hygiene measures:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures:	Ensure adequate ventilation, especially in confined areas.
Storage conditions:	Store locked up. Store in well-ventilated place. Keep cool
Incompatible products:	Acetylene, ammonia, ammonium nitrate, aqua regia, dioxane, ethylene oxide, chlorine trifluoride, halogens, hydrogen peroxide, hydrazine, mononitrate, hydrazoic acid, hydroxylamine, hydrogen sulfide, performic acid, phosphorus, selenium, sulfur, titanium plus potassium chlorate, bromates chlorates and iodate of alkali and alkali earth metals.
Storage area:	Store in a well-ventilated area.
Packaging materials:	Keep only in original container.

7.3 Specific end use

Other hot work operations with metals.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No Additional Information

8.2 Exposure controls

Appropriate engineering controls:	Provide adequate general and local exhaust ventilation
Personal protective equipment:	Combined gas/dust mask with filter type P3. Gloves. Safety glasses.
Materials for protective clothing:	Wear suitable protective clothing
Hand protection:	Protective gloves
Eye protection:	Safety glasses
Skin and body protection:	Wear suitable protective clothing
Respiratory protection:	Combined gas/dust mask with filter type P3



Read and understand the manufacturer's instructions and precautionary label on this product.

ENGINEERING CONTROLS: Proper ventilation must be maintained.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Damp	Vapor pressure:	No data available
Appearance:	Fibrous compound	Relative vapor density at 20 C:	No data available
Color:	Blue	Relative density:	No data available
Odor:	None	Solubility:	No data available
Odor Threshold:	No data available	Log pow:	No data available
pH:	No data available	Viscosity, kinematic:	No data available
Relative evaporation rate:	No data available	Viscosity, dynamic:	No data available
Melting point:	No data available	Explosive properties:	No data available
Freezing point:	No data available	Oxidizing properties:	Dries when heated
Boiling point:	No data available	Explosive limits:	No data available
Flash point:	No data available		
Auto-ignition temp:	No data available		
Decomposition temperature:	No data available		
Flammability (solid, gas):	Non-flammable		

9.2 Other information

No additional information available

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

GENERAL: This item is only intended for ancillary support for general activities involving brazing, soldering, welding and thermal spaying applications.

Safe under normal conditions

10.2 Possibility of hazardous reactions

Non-reactive.

10.3 Conditions to avoid

Keep product away from heat and moisture.

10.4 Incompatible materials

Non-reactive.

10.5 Hazardous decomposition products

Fumes can be dangerous to your health. See Section 11.

SECTION 11 - TOXICOLOGICAL INFORMATION

10.1 Reactivity

Acute toxicity:	When used in conjunction with welding or brazing - welding fume may result in discomfort.
Skin corrosion/irritation:	Use respirable fume respirator or air supplied respirator when welding or working in a confined space.
Serious eye damage/irritation:	Wear chemical safety goggles to protect against accidental contact.
Respiratory or skin sensitization:	Use a barrier cream or moisturizer when excessive or prolonged contact with skin is likely.
Germ cell mutagenicity:	None.
Carcinogenicity:	None.
Reproductive toxicity:	None.
Specific target organ toxicity (single exposure):	None.
Specific target organ toxicity (repeated exposure):	None.

SECTION 12 - ECOLOGY INFORMATION

Do not flush into surface water or sanitary sewer system.

12.1 toxicity

Ecology - general: Not established

Ecology- Water: Not established

12.2 Persistence and degradability

Persistence and degradability: Not established

12.3 Bioaccumulative potential

Bioaccumulative potential: Not established

12.4 Mobility in soil

Ecology - Soil: Not established

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

Other adverse effects: None known

Additional information: **CONTAMINATED PACKAGING:** Empty containers should be taken for local recycling, recovery, or waste disposal.

SPILLS: Clean up with inert material and dispose of in accordance to local regulations.

SECTION 13 - DISPOSAL CONSIDERATION

13.1 Waste treatment methods

Regional legislation (waste): Disposal must be done according to official regulations

Waste treatment methods: Dispose of contents/container in accordance with licensed collectors sorting instructions

Waste disposal recommendations: Dispose of contents/container to a hazardous or special waste facility.

SECTION 14 - TRANSPORTATION INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

14.1 UN number

UN-No. (ADR)	Not applicable
UN-No. (IMDG)	Not applicable
UN-No. (IATA)	Not applicable
UN-No. (ADN)	Not applicable
UN-No. (RID)	Not applicable

14.4 Packing group

Packing group (ADR)	Not applicable
Packing group (IMDG)	Not applicable
Packing group (IATA)	Not applicable
Packing group (ADN)	Not applicable
Packing group (RID)	Not applicable

14.2 UN proper shipping name

Proper shipping name (ADR)	Not applicable
Proper shipping name (IMDG)	Not applicable
Proper shipping name. (IATA)	Not applicable
Proper shipping name (ADN)	Not applicable
Proper shipping name (RID)	Not applicable

14.5 Environmental hazards

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available

14.3 Transport hazard class(es)

ADR - Transport hazard class(es)	Not Applicable
IMDG - Transport hazard class(es)	Not Applicable
IATA - Transport hazard class(es)	Not Applicable
ADN - Transport hazard class(es)	Not Applicable
RID - Transport hazard class(es)	Not Applicable

SECTION 15: REGULATORY INFORMATION

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

15.1.1 NICNAS-regulations

AICS: All of the significant ingredients in this formulation are compliant

15.1.2 National regulations

No additional information available

15.2 Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, expressed or implied is made. Consult RectorSeal for further information: (713) 263-8001