



**SAFETY DATA SHEET**

SDS Name: **Hot Block Heat Absorption Putty**

SolderWeld, Inc.

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**SECTION I: Identification of the substance/mixture and the company**

**1.1 Product Identifier**

Product name: **HOT BLOCK**

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**1.2 Relevant Identified uses of the substance and uses advised against**

**1.2.1 Relevant identified uses**

Main use category : Professional Use  
Industrial/Professional use spec : For Professional use only  
Use of substance : Brazing, soldering, and welding products, flux products

**1.2.2 Uses advised against**

No additional information available

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**1.3 Details of Supplier of the Safety Data Sheet**

SolderWeld, Inc.  
2050 N 300 W #72  
Spanish Fork, UT 84660  
USA  
800-356-8449  
info@solderweld.com

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**1.4 Emergency Telephone Number**

Emergency Number : 001-800-424-9300 (Chemtrec)

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**SECTION 2: Hazards Identification**

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**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.

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**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/m<sup>3</sup>)**

<u>INGREDIENTS</u>	<u>CAS NUMBER</u>	<u>OSHA PEL</u>	<u>ACGIH-TLV</u>	<u>Percent Ingredients (by Weight)</u>
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**

<u>INGREDIENTS</u>	<u>CAS NUMBER</u>	<u>EINECS NUMBER</u>	<u>Hazard Classification per ECD 67/548/EEC</u>
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

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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

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Treat symptomatically.

## SECTION 5: Firefighting measures

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### 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

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### 6.1 Personal precautions, protective equipment and emergency procedures

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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

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Avoid release to the environment.

### 6.3 Methods and material for containment and cleaning up

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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**

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**9.1 Information on basic physical and chemical properties**

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

**9.2 Other information**

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No additional information available

**SECTION 10: Stability and reactivity**

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**10.1 Reactivity**

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

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Safe under normal conditions

**10.3 Possibility of hazardous reactions**

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Non-reactive.

**10.4 Conditions to avoid**

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Keep product away from heat and moisture.

**10.5 Incompatible materials**

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Non-reactive.

**10.6 Hazardous decomposition products**

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Fumes can be dangerous to your health. See Section 11

**SECTION 11: Toxicological information**

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**11.1 Information on toxicological effects**

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
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**12.3 Bioaccumulative potential**

Bioaccumulative potential:	Not established
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**12.4 Mobility in soil**

Ecology - Soil:	Not established
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**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: Transport 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

**14.2 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

**14.3 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

**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

**14.5 Environmental hazards**

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

**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 Safety Data Sheet has been revised due to modifications to several paragraphs and/or new format.

**SUPPLEMENTAL INFORMATION – DEFINITIONS:**

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IARC: International Agency for the Research on Cancer  
NIOSH: National Institute for Occupational Safety and Health  
OSHA: U.S. Occupational Safety and Health Administration  
ACGIH: American Conference of Governmental Industrial Hygienists  
CAS: Chemical Abstracts Service Registry Number  
EINECS: European Inventory of Existing Chemical Substances

PEL: Permissible Exposure Limit  
NTP: National Toxicology Program  
TLV: Threshold Limit Value  
ECD: European Council Directive  
GHS: Globally Harmonized System

\*This information must be included in all SDS that are copied and distributed for this material.

Please retain this sheet for your files. SolderWeld, Inc. maintains a file of Safety Data Sheets (SDS) for each rods and fluxes produced in compliance with Federal OSHA Hazard Communication Standard (29 CFR 1910.1200) & various right-to-know laws.

The information and recommendations contained within this publication have been compiled from sources believed to be reliable and to represent the best information available to SolderWeld, Inc. at the time of issue. It is our policy to include an SDS with initial orders for each product. This submission is to become a matter of record and need not accompany subsequent shipments for the same product to the same customer. The information contained on this sheet is intended solely for employee health and safety education and not for contract specification purposes. No warranty, guarantee, or representation is made by SolderWeld, Inc., nor does SolderWeld, Inc. assume any responsibility in connection there within; nor can it be assumed that all acceptable safety measures or other safety measures may not be required under particular or exceptional conditions or circumstances. Should you need additional information, contact us.