



# SAFETY DATA SHEET

In accordance with OSHA 29 CFR 1910.1200

HM 4289  
Revision Number 1

Revision date 31-Aug-2021  
Supersedes Date: Not applicable

## 1. Identification

### 1.1. Product identifier

Product Name HM 4289

### Other means of identification

Other information Not applicable

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Hot-melt adhesives  
Restrictions on use No information available

### 1.3. Details of the supplier of the safety data sheet

#### Responsible Party

Bostik Inc.  
11320 W. Watertown Plank Road  
Wauwatosa, Wisconsin 53226 USA  
Phone: +1 (800) 843-0844 (Domestic Toll Free)  
Phone: +1 (414) 774-2250 (International)  
Fax: +1 (414) 774-8075

#### Manufacturer

Bostik SA  
420 rue d'Estienne d'Orves  
92700 Colombes  
FRANCE  
Tel: +33 (0)1 49 00 90 00

E-mail msds@bostik.com

### 1.4. Emergency telephone number

Emergency Telephone Chemtrec (Transport/Environmental): 1-800-424-9300  
1-703-527-3887 (Outside U.S.)  
Rocky Mountain Poison Center: 1-866-767-5089

## 2. Hazard(s) identification

### 2.1. Classification of the substance or mixture

Not a dangerous substance or mixture according to OSHA 29 CFR 1910.1200.

### Hazards not otherwise classified (HNOC)

Not applicable

### 2.2. Label elements

#### EMERGENCY OVERVIEW

Contact with solid material may cause irritation  
Contact with molten material will cause thermal burns  
Not a dangerous substance or mixture according to OSHA 29 CFR 1910.1200.

Appearance Granules Physical state Solid Odor No information available

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## 2.3. Other Information

Contact with product at elevated temperatures can result in thermal burns.

## **3. Composition/information on ingredients**

### 3.1. Substances

Not applicable.

### Mixture

*Not a dangerous substance or mixture according to OSHA 29 CFR 1910.1200.*

## **4. First-aid measures**

### 4.1. Description of first aid measures

#### **Inhalation**

**Molten** . Move to fresh air in case of accidental inhalation of vapors or decomposition products. **Solid:** . Not an expected route of exposure.

#### **Eye contact**

**Solid:** . In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. **Molten** . Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Contact with molten materials requires immediate medical assistance.

#### **Skin contact**

**Solid:** . Wash skin with soap and water. **Molten** . After contact with molten product, cool skin area rapidly with cold water. For severe burns, immediate medical attention is required. Do not remove clothing if adhering to skin. Removal of solidified molten material from skin requires medical assistance. Do not try to removed solidified material from the skin.

#### **Ingestion**

Get immediate medical advice/attention. Do not induce vomiting without medical advice.

### 4.2. Most important symptoms and effects, both acute and delayed

#### **Symptoms**

Contact with molten substance may cause severe burns to skin and eyes.

### 4.3. Indication of any immediate medical attention and special treatment needed

#### **Note to physicians**

Burns caused by molten material must be treated clinically. Treat any burns as thermal burns, after decontamination.

## **5. Fire-fighting measures**

### 5.1. Extinguishing media

#### **Suitable Extinguishing Media** **Large Fire**

CO2, dry chemical, dry sand, alcohol-resistant foam.  
CAUTION: Use of water spray when fighting fire may be inefficient.

#### **Unsuitable extinguishing media**

Do not use straight streams.

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## 5.2. Special hazards arising from the substance or mixture

**Specific hazards arising from the chemical** The product is insoluble and floats on water. The melted product can cause severe burns.

**Hazardous combustion products** No information available.

### **Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

## 5.3. Advice for firefighters

**Special protective equipment for fire-fighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **6. Accidental release measures**

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

**Personal precautions** Ensure adequate ventilation. Avoid contact with hot, molten product.

**Other information** Where possible allow molten material to solidify naturally.

### 6.2. Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

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

**Methods for containment** **Molten** . Cover with dry sand/earth.

**Methods for cleaning up** **Solid:** . Take up mechanically, placing in appropriate containers for disposal. **Molten** . Where possible allow molten material to solidify naturally. Use appropriate personal protective equipment (PPE). Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Clean contaminated surface thoroughly.

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## **7. Handling and storage**

### 7.1. Precautions for safe handling

**Advice on safe handling** Avoid contact with skin and eyes. Wash thoroughly after handling. Take precautionary measures against static discharges. Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapors. Facilities for quickly drenching the body should be provided within the immediate work area for emergency use where there is a possibility of exposure.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions** Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other

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chemicals.

**Recommended storage temperature** Keep at temperatures between 50 and 95 °F / 10 and 35 °C.

## 7.3 References to other sections

**Reference to other sections** Section 10: STABILITY AND REACTIVITY  
Section 13: DISPOSAL CONSIDERATIONS

## **8. Exposure controls/personal protection**

### 8.1. Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### 8.2. Exposure controls

#### Appropriate engineering controls

**Engineering controls** Ensure that eyewash stations and safety showers are close to the workstation location.

#### Individual protection measures, such as personal protective equipment

**Eye/face protection** Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

**Hand protection** Heat resistant gloves are recommended when handling molten materials. **Solid:** . For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

**Skin and body protection** Long sleeved clothing. Impervious clothing.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## **9. Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	Solid
<b>Appearance</b>	Granules
<b>Color</b>	Amber
<b>Odor</b>	No information available
<b>Odor threshold</b>	No information available

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<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No data available	Not applicable Insoluble in water
<b>pH (as aqueous solution)</b>	No data available	None known
<b>Melting point / freezing point</b>	No data available	None known
<b>Initial boiling point and boiling range</b>	> 220 °C / 428 °F	
<b>Flash point</b>	> 250 °C / 482 °F	
<b>Evaporation rate</b>	No data available	None known
<b>Flammability</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Vapor pressure</b>	No data available	None known
<b>Relative vapor density</b>	No data available	None known
<b>Relative density</b>	No data available	None known
<b>Water solubility</b>	Insoluble in water	
<b>Solubility(ies)</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known

## 9.2. Other information

<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	
<b>Solvent content (%)</b>	No information available	
<b>Solid content (%)</b>	No information available	
<b>Softening Point</b>	No information available	
<b>Molecular weight</b>	No information available	
<b>VOC Content (%)</b>		No information available
<b>Density</b>	No information available	
<b>Bulk density</b>	No information available	

## **10. Stability and reactivity**

### 10.1. Reactivity

**Reactivity** No information available.

### 10.2. Chemical stability

**Chemical stability** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

### 10.4. Conditions to avoid

**Conditions to avoid** static discharge (electrostatic discharge). Extremes of temperature and direct sunlight. Do not add water or other volatile material to molten adhesive. Under dusty conditions avoid all sources of ignition, including sparks and static electricity.

### 10.5. Incompatible materials

**Incompatible materials** Strong oxidizing agents, strong acids, and strong bases.

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## 10.6. Hazardous decomposition products

Hazardous decomposition products Carbon monoxide Carbon dioxide (CO<sub>2</sub>) Hydrocarbons

## **11. Toxicological information**

### 11.1. Information on toxicological effects

<b>Inhalation</b>	Based on available data, the classification criteria are not met.
<b>Eye contact</b>	Based on available data, the classification criteria are not met.
<b>Skin contact</b>	Based on available data, the classification criteria are not met.
<b>Ingestion</b>	Based on available data, the classification criteria are not met.

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

Acute toxicity  
**Numerical measures of toxicity**

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

<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/eye irritation</b>	Based on available data, the classification criteria are not met.
<b>Respiratory or skin sensitization</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>STOT - single exposure</b>	Based on available data, the classification criteria are not met.
<b>STOT - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Other adverse effects</b>	No information available.
<b>Interactive effects</b>	No information available.

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## 12. Ecological information

### 12.1. Toxicity

Ecotoxicity No information available.

### 12.2. Persistence and degradability

Persistence and degradability No information available.

### 12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

### 12.4. Mobility in soil

Mobility No information available.

### Other adverse effects

Other adverse effects No information available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

**Waste from residues/unused products** It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

**Contaminated packaging** Dispose of in accordance with federal, state and local regulations.

## 14. Transport information

DOT Not regulated

IATA Not regulated

IMDG Not regulated

## 15. Regulatory information

### International Inventories

TSCA	Listed
DSL	Listed

Legend:

US - EN

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**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL** - Canadian Domestic Substances List  
**Listed** - The components of this product are either listed or exempt from listing on inventory.  
**Not Listed** - One or more components of this product are not listed on inventory.

## 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.

## Europe

### **Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU**

This product does not contain Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) above the regulated limit mentioned in this regulation. This document is based on the information given to us by our own suppliers at the date of this document.

### **SVHC: Substances of Very High Concern for Authorization:**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## **16. Other information**

### 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

**Prepared By** Product Safety & Regulatory Affairs.

**Revision date** 31-Aug-2021

**Revision note** No information available.

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**