



# SAFETY DATA SHEET

In accordance with OSHA 29 CFR 1910.1200

**THERMOGRIP(R) 9438**  
Revision Number 3

Revision date 06-Dec-2024  
Supersedes date 13-Oct-2021

## 1. Identification

### 1.1. Product identifier

**Product Name** THERMOGRIP(R) 9438

### 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) 726-7845 (Domestic Toll Free)  
Phone: +1 (414) 774-2250 (International)

**E-mail** msds@bostik.com

### 1.4. Emergency telephone number

**Emergency Telephone** CHEMTREC (Chemical Transportation Emergency Center)  
Chemtrec: 1-800-424-9300 (US) , 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

#### Hazard statements

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

**Appearance** No information available

**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

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

*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

**Molten** . Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Contact with molten materials requires immediate medical assistance. **Solid:** . Rinse eyes.

#### Skin contact

**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. Do not try to remove solidified material from the skin. Removal of solidified molten material from skin requires medical assistance. **Solid:** . Wash skin with soap and water.

#### Ingestion

Get immediate medical 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.

#### Effects of Exposure

No information available.

### 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

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**Suitable Extinguishing Media** CO<sub>2</sub>, dry chemical, dry sand, alcohol-resistant foam. Water spray.  
**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not use straight streams.

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

**Specific hazards arising from the chemical** The melted product can cause severe burns.

**Hazardous combustion products** No information available.

### **Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

## 5.3. Advice for firefighters

**Special protective equipment and precautions 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** Use personal protective equipment as required. Avoid contact with hot, molten product. Ensure adequate ventilation.

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

### 6.2. Environmental precautions

**Environmental precautions** Keep out of drains, sewers, ditches and waterways. See Section 12 for additional Ecological Information.

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

**Methods for containment** Where possible allow molten material to solidify naturally. Prevent product from entering drains. Dike to collect large liquid spills.

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

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

## **7. Handling and storage**

### 7.1. Precautions for safe handling

**Advice on safe handling** Avoid contact with skin and eyes. If hot processing this material, ensure adequate

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ventilation and wear personal protective equipment. 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 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. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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

## **9. Physical and Chemical Properties**

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## 9.1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	No information available
Color	Amber
Odor	No information available
Odor threshold	No information available

Property	Values	Remarks • Method
pH	No data available	Not applicable Insoluble in water
pH (as aqueous solution)	No data available	None known
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flash point	> 204 °C / 399.2 °F	
Evaporation rate	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Relative vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	21100 mPa s	Spindle 27 @ 5 rpm @ 400 °F

## 9.2. Other information

Explosive properties	No information available	
Oxidizing properties	No information available	
Solvent content (%)	No information available	
Solid content (%)	100	
Softening point	150 °C/ 305 °F	
Molecular weight	No information available	
VOC content	No information available	No information available
Liquid Density	.900 g/cm <sup>3</sup>	
Bulk density	No information available	

## 10. Stability and Reactivity

### 10.1. Reactivity

Reactivity	No information available.
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### 10.2. Chemical stability

Chemical stability	Stable under normal conditions.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None under normal processing.
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## 10.4. Conditions to avoid

### Conditions to avoid

Extremes of temperature and direct sunlight. To avoid thermal decomposition, do not overheat. 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

None known based on information supplied.

## 10.6. Hazardous decomposition products

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

## **11. Toxicological information**

### 11.1. Information on toxicological effects

#### Inhalation

Based on available data, the classification criteria are not met.

#### Eye contact

Based on available data, the classification criteria are not met.

#### Skin contact

Based on available data, the classification criteria are not met.

#### Ingestion

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

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

ATEmix (oral)	>5000 mg/kg
ATEmix (dermal)	>5000 mg/kg
ATEmix (inhalation-gas)	>20000 ppm
ATEmix (inhalation-dust/mist)	>5 mg/l
ATEmix (inhalation-vapor)	>20 mg/l

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

#### Skin corrosion/irritation

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

#### Serious eye damage/eye irritation

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

#### Respiratory or skin sensitization

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

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<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>	Thermal decomposition can lead to release of irritating gases and vapors.
<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.

## 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.

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## 14. Transport information

**DOT** Not regulated  
**IATA** Not regulated  
**IMDG** Not regulated

## 15. Regulatory Information

### International Inventories

<b>TSCA</b>	Complies
<b>DSL</b>	Complies

#### **Legend:**

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

**DSL** - Canadian Domestic Substances List

**Complies** - The components of this product are either listed or exempt from listing on inventory. Active

**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.

## 16. Other Information

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

#### **Legend**

SVHC: Substances of Very High Concern for Authorization:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances

vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

STOT: Specific Target Organ Toxicity

ATE: Acute Toxicity Estimate

LC50: 50% Lethal Concentration

LD50: 50% Lethal Dose

#### **Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA TWA (time-weighted average)

Ceiling Maximum limit value

STEL

Sk\*

STEL (Short Term Exposure Limit)

Skin designation

**Prepared By** Product Stewardship and Regulatory Affairs.

**Revision date** 06-Dec-2024

**Revision Note** SDS sections updated. 1. 4. 5. 6. 11. 15.



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**End of Safety Data Sheet**