



SAFETY DATA SHEET

THERMELT 858 BLACK
Revision Number 1

Revision date 01-Aug-2024
Supersedes date 01-Aug-2024

Section 1: Identification: Product identifier and chemical identity

Product identifier

Product Name THERMELT 858 BLACK

Product Code(s)
30406310
30618626; 30406312; 30406311; 30627525; 30406310; 30627254

Other means of identification

Pure substance/mixture Mixture

Recommended use of the chemical and restrictions on use

Recommended use Hot-melt adhesives

Uses advised against No information available.

Details of manufacturer or importer

Supplier
Bostik Australia Pty Ltd
51-71 High Street,
Thomastown Victoria
Australia
Tel: 613 9279-9333
Fax: 613 9279-9342

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

ABN: 79 003 893 838

E-mail address au-bostik-sds@bostik.com

Emergency telephone number

Emergency telephone number 24-hr Emergency: 1800 033 111

Section 2: Hazard(s) identification

GHS Classification

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS) Not classified

Label elements

Hazard statements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS) Not classified

Other hazards which do not result in classification

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

Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

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No poisons schedule number allocated

Section 3: Composition and information on ingredients, in accordance with Schedule 8

Substance

Not applicable

Mixture

Chemical name	CAS No.	Weight-%
Carbon black	1333-86-4	0.1 - 1
Non-hazardous ingredients	Proprietary	Balance

Section 4: First aid measures

Emergency telephone number Poisons Information Center, Australia: 13 11 26
Poisons Information Center, New Zealand: 0800 764 766

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 remove solidified material from the skin.

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

Most important symptoms and effects, both acute and delayed

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

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.

Section 5: Firefighting measures

Suitable Extinguishing Media

Suitable extinguishing media CO2, dry chemical, dry sand, alcohol-resistant foam. Water spray.

Unsuitable extinguishing media Do not use straight streams.

Specific hazards arising from the chemical

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

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Special protective actions for fire-fighters

Special protective equipment and precautions 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

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

Other information Where possible allow molten material to solidify naturally.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system.

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.

Precautions to prevent secondary hazards

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

Section 7: Handling and storage, including how the chemical may be safely used

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.

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.

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

Section 8: Exposure controls and personal protection

Control parameters

Exposure Limits This product contains carbon black in a non-respirable form. Inhalation of carbon black is unlikely to occur from exposure to this product.

Chemical name	Australia
Carbon black 1333-86-4	TWA: 3 mg/m ³

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OEL as published by Safe Work Australia

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

Eyeface protection Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin and body protection Long sleeved clothing. Impervious clothing.

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.

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Environmental exposure controls No information available.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Solid	
Appearance	Granules	
Color	Black	
Odor	Odorless	
Odor threshold	Not applicable	
Property	Values	Remarks • Method
pH	No data available	Not applicable Insoluble in water
pH (as aqueous solution)	No data available	Not applicable
Melting point / freezing point	No data available	See section 9.2 for more information
Initial boiling point and boiling range	No data available	Not applicable
Flash point	> 250 °C	CC (closed cup)
Evaporation rate	No data available	
Flammability	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	Not applicable
Relative vapor density	No data available	Not applicable
Relative density	No data available	Not applicable
Water solubility	Insoluble in water	
Solubility(ies)	Ethyl acetate Methyl ethyl ketone	
Partition coefficient	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	Not applicable
Dynamic viscosity	4 - 6 Pa.s	Spindle A27 @ 20 rpm @ 220 °C
Explosive properties	No information available	
Oxidizing properties	No information available	

Other information

Softening point 175 - 185 °C

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Solid content (%)	100	
Density	1 g/cm ³	
VOC content		No information available

Section 10: Stability and reactivity

Reactivity

Reactivity No information available.

Chemical stability

Stability Stable under normal conditions.

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.

Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

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.

Incompatible materials

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

Hazardous decomposition products

Hazardous decomposition products Carbon monoxide. Carbon dioxide (CO₂). Hydrocarbons.

Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Information on likely routes of exposure

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 No information available.

Numerical measures of toxicity - Product Information

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

ATEmix (oral) >5000

ATEmix (dermal) >5000

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ATEmix (inhalation-gas) >20000
ATEmix (inhalation-vapor) >20
ATEmix (inhalation-dust/mist) >5

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Carbon black	LD50 > 8000 mg/kg (Rattus) OECD 401	> 3 g/kg (Oryctolagus cuniculus)	> 4.6 mg/m ³ (Rat) 4 h

See section 16 for terms and abbreviations

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

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

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.

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

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

Chemical name	Australia	European Union	IARC
Carbon black 1333-86-4			Group 2B

Legend

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

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

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

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

Section 12: Ecological information

Ecotoxicity

Aquatic ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Carbon black 1333-86-4	>10000 mg/l (Desmodesmus subspicatus) OECD 202	>1000 mg/l (Brachydanio rerio) OCDE 203	-	EC50: >5600mg/L (24h, Daphnia magna)

Persistence and degradability

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Persistence and degradability No information available.

Bioaccumulative potential

Bioaccumulation There is no data for this product.

Mobility

Mobility in soil No information available.

Mobility No information available.

Other adverse effects

Other adverse effects No information available.

Section 13: Disposal considerations

Disposal 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: Transport information

ADG Not regulated

IATA Not regulated

IMDG Not regulated

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
No information available

Section 15: Regulatory information

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

National regulations

Australia

See section 8 for national exposure control parameters

Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

No poisons schedule number allocated

Illicit Drug Precursors/Reagents

This product does not contain any substance(s) on the Illicit Drug Precursors/Reagents list.

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International Inventories

AIIC	Complies
NZIoC	Not Listed
ENCS	Not Listed
IECSC	Not Listed
KECI	Not Listed
PICCS	Not Listed

Legend:

AIIC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals
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

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

Europe

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

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)

Directive 2011/65/EU (EU RoHS 2), as amended by the Delegated Directive (EU) 2015/863 (EU RoHS 3)

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

Section 16: Any other relevant information

Revision date 01-Aug-2024

Revision Note

SDS sections updated. 9.

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

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Section 11: TOXICOLOGICAL INFORMATION

LD50 (lethal dose)

Section 12: Ecological information

EC50 (effective concentration)

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,

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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