



Revision Number: 001.0

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Macromelt Q 8740
Product type: Hotmelt adhesive

IDH number: 82331

Region: United States

Company address:
 Henkel Corporation
 One Henkel Way
 Rocky Hill, Connecticut 06067

Contact information:
 Telephone: 860.571.5100
 For Chemical Emergency: Call CHEMTREC at 800.424.9300
 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	Solid	HEALTH:	2
Color:	Yellow	FLAMMABILITY:	1
Odor:	Slight	PHYSICAL HAZARD:	0
		Personal Protection:	See MSDS Section 8

WARNING: MOLTEN ADHESIVE MAY CAUSE SEVERE BURNS.

Relevant routes of exposure: Molten adhesive., Skin, Eyes, Solid adhesive has no hazards.

Potential Health Effects

Inhalation: Dusts from solid adhesive may cause irritation. Continuous breathing of vapors above molten adhesive may irritate mucous membranes.

Skin contact: Solid adhesive has no hazards. Molten adhesive may cause severe burns.

Eye contact: Molten adhesive in eyes will cause severe and permanent damage. Can cause mechanical irritation if dusts are generated.

Ingestion: Not expected to be harmful by ingestion.

Existing conditions aggravated by exposure: None known

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Petroleum Naphtha	Proprietary	30 - 60
Thermoplastic rubber	Proprietary	30 - 60
Phenolic polymer	Proprietary	10 - 30
Polymer	Proprietary	10 - 30

4. FIRST AID MEASURES

Inhalation: If breathing is difficult, give oxygen. Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If not breathing, give artificial respiration.

Skin contact:

Molten adhesive may cause severe burns. Cool melted product on skin with plenty of water. Do not remove solidified product. Cover affected areas with clean sheeting or gauze and seek immediate medical attention. No attempt should be made to remove material from skin or to remove contaminated clothing as damaged skin can be easily torn.

Eye contact:

If eye contact occurs with molten material immediately cool with water. Do not remove adhesive. Seek medical attention.

Ingestion:

Ingestion of solid adhesive is not expected to be hazardous. If symptoms develop and persist, get medical attention.

5. FIRE FIGHTING MEASURES

Flash point:

Not applicable

Autoignition temperature:

Not applicable

Flammable/Explosive limits - lower:

Not applicable

Flammable/Explosive limits - upper:

Not applicable

Extinguishing media:

Water spray (fog), foam, dry chemical or carbon dioxide. Use extinguishing measures appropriate to local circumstances and the surrounding environment.

Special firefighting procedures:

None

Unusual fire or explosion hazards:

None

Hazardous combustion products:

Acrid smoke and fumes. Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:

No special environmental precautions required. Do not allow material to contaminate ground water system.

Clean-up methods:

Sweep up spilled material. Avoid creating dust. Health injuries are not known or expected under normal use.

7. HANDLING AND STORAGE

Handling:

Do not wear contact lenses. Follow suggested application temperature. Do not place wet or damp solid into melt tank. Always be careful around molten material. Avoid skin contact with molten resins.

Storage:

For safe storage, store between 0 °C (32°F) and 38 °C (100.4 °F)

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Petroleum Naphtha	None	None	None	None
Thermoplastic rubber	None	None	None	None
Phenolic polymer	None	None	None	None
Polymer	None	None	None	None

Engineering controls:

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

Respiratory protection:

Where the potential exists for exposure to decomposition products due to heating or elevated temperatures, wear NIOSH approved respiratory protection as appropriate. No personal respiratory protective equipment normally required.

Eye/face protection:

Do not wear contact lenses. Full face protection should be used if the potential for splashing or spraying of product exists. Safety goggles or safety glasses with side shields.

Skin protection:

Insulated gloves and long sleeved clothing are strongly recommended when working with molten adhesive.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Color:	Yellow
Odor:	Slight
Odor threshold:	Not available
pH:	Not available
Vapor pressure:	Not applicable
Boiling point/range:	Not available
Melting point/ range:	113 - 117 °C (235.4 - 242.6 °F) (Softening Point)
Specific gravity:	0.88
Vapor density:	Not available
Flash point:	Not applicable
Flammable/Explosive limits - lower:	Not applicable
Flammable/Explosive limits - upper:	Not applicable
Autoignition temperature:	Not applicable
Evaporation rate:	Not applicable
Solubility in water:	Not available
Partition coefficient (n-octanol/water):	Not available
VOC content:	Nonvolatile

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	None under normal use.
Incompatible materials:	None
Conditions to avoid:	Prolonged heating at temperatures above 200 °C.

11. TOXICOLOGICAL INFORMATION

Acute oral product toxicity:	LD50 (rat) > 5,000 mg/kg (Estimated)
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Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Petroleum Naphtha	No	No	No
Thermoplastic rubber	No	No	No
Phenolic polymer	No	No	No
Polymer	No	No	No

Hazardous components	Health Effects/Target Organs
Petroleum Naphtha	No Records
Thermoplastic rubber	No Records
Phenolic polymer	No Records
Polymer	No Target Organs

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None
Exceptions: None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12(b) Export Notification: None above reporting de minimus
CERCLA/SARA Section 302 EHS: None above reporting de minimus
CERCLA/SARA Section 311/312: Immediate Health
CERCLA/SARA 313: None above reporting de minimus
California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
WHMIS hazard class: D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

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