



Revision Number: 002.0

Issue date: 05/02/2017

1. PRODUCT AND COMPANY IDENTIFICATION

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|-------------------------------|--|---------------------|---------------|
| Product name: | TECHNOMELT PA 646 BLACK known as MACROMELT OM 646 | IDH number: | 1055521 |
| Product type: | Hotmelt adhesive | Item number: | 1055521 |
| Restriction of Use: | None identified | Region: | United States |
| Company address: | Contact information: | | |
| Henkel Corporation | Telephone: +1 (860) 571-5100 | | |
| One Henkel Way | MEDICAL EMERGENCY Phone: Poison Control Center | | |
| Rocky Hill, Connecticut 06067 | 1-877-671-4608 (toll free) or 1-303-592-1711 | | |
| | TRANSPORT EMERGENCY Phone: CHEMTREC | | |
| | 1-800-424-9300 (toll free) or 1-703-527-3887 | | |
| | Internet: www.henkelna.com | | |

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

MOLTEN ADHESIVE MAY CAUSE SEVERE BURNS.
 VAPORS ABOVE MOLTEN ADHESIVE MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
 STATIC CHARGES GENERATED BY EMPTYING PACKAGE IN OR NEAR FLAMMABLE VAPORS MAY CAUSE IGNITION.

| HAZARD CLASS | HAZARD CATEGORY |
|--------------|-----------------|
| None | None |

| PICTOGRAM(S) |
|--------------|
| None |

Precautionary Statements

| | |
|--------------------|----------------|
| Prevention: | Not prescribed |
| Response: | Not prescribed |
| Storage: | Not prescribed |
| Disposal: | Not prescribed |

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous Component(s) | CAS Number | Percentage* |
|------------------------|------------|-------------|
| Carbon black | 1333-86-4 | 0.1 - 1 |

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

Non hazardous components

Polyamide Based Hotmelt Adhesive

4. FIRST AID MEASURES

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|----------------------|---|
| Inhalation: | Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention. |
| Skin contact: | Molten adhesive may cause severe burns. Cool skin rapidly with cold water after contact with molten material. 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. |
| Symptoms: | See Section 11. |

5. FIRE FIGHTING MEASURES

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| Extinguishing media: | Use extinguishing measures appropriate to local circumstances and the surrounding environment. Water spray (fog), foam, dry chemical or carbon dioxide. |
| Special firefighting procedures: | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| Unusual fire or explosion hazards: | In case of fire, keep containers cool with water spray. |
| Hazardous combustion products: | Oxides of carbon. Acrid smoke and fumes. |

6. ACCIDENTAL RELEASE MEASURES

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

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|-----------------------------------|---|
| Environmental precautions: | Do not allow material to contaminate ground water system. No special environmental precautions required. |
| Clean-up methods: | Sweep up spilled material. Avoid creating dust. Health injuries are not known or expected under normal use. |

7. HANDLING AND STORAGE

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|------------------|---|
| Handling: | Do not place wet or damp solid into melt tank. Follow suggested application temperature. Always be careful around molten material. Avoid skin contact with molten resins. Do not wear contact lenses. Avoid dust formation. |
| Storage: | Keep cool in accordance with information on label and in Technical Data Sheets. |

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 Component(s) | ACGIH TLV | OSHA PEL | AIHA WEEL | OTHER |
|------------------------|--|---------------------------|-----------|-------|
| Carbon black | 3 mg/m ³ TWA Inhalable fraction. | 3.5 mg/m ³ PEL | None | None |

| | |
|--------------------------------|--|
| Engineering controls: | Ventilation hoods and fans required when working with organic solvents or in hot melt applications. Heat only in areas with appropriate exhaust ventilation. |
| Respiratory protection: | Solid Resin: Dust safety masks are recommended when the potential for dust inhalation exists. Molten Resin: Use a NIOSH approved air-purifying respirator with an organic vapor cartridge. |
| Eye/face protection: | Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Do not wear contact lenses. |
| Skin protection: | Insulated gloves and long sleeved clothing are strongly recommended when working with molten adhesive. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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|---|-----------------------------|
| Physical state: | Solid |
| Color: | Black |
| Odor: | Slight |
| Odor threshold: | Not available. |
| pH: | Not available. |
| Vapor pressure: | Not applicable |
| Boiling point/range: | Not available. |
| Melting point/ range: | Not available. |
| Specific gravity: | 0.98 |
| Vapor density: | Not available. |
| Flash point: | No flash point up to 200 °C |
| Flammable/Explosive limits - lower: | Not available. |
| Flammable/Explosive limits - upper: | Not available. |
| Autoignition temperature: | Not available. |
| Flammability: | Not applicable |
| Evaporation rate: | Not available. |
| Solubility in water: | Insoluble |
| Partition coefficient (n-octanol/water): | Not available. |
| VOC content: | 0.00 % |
| Viscosity: | Not available. |
| Decomposition temperature: | Not available. |

10. STABILITY AND REACTIVITY

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| Stability: | Stable |
| Hazardous reactions: | Will not occur. |
| Hazardous decomposition products: | Carbon dioxide, carbon monoxide and irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion. |
| Incompatible materials: | Acids. Bases. Oxidizing agents. |
| Reactivity: | Not available. |
| Conditions to avoid: | Excessive heat. |

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Molten adhesive., Skin, Eyes

Potential Health Effects/Symptoms

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

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

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

Ingestion: Not expected under normal conditions of use. May cause gastrointestinal tract irritation if swallowed.

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|------------------------|---------------------------------|---|
| Carbon black | Oral LD50 (Rat) = > 8,000 mg/kg | Respiratory, Some evidence of carcinogenicity |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|------------------------|----------------|-----------------|--|
| Carbon black | No | Group 2B | No |

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

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

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

15. REGULATORY INFORMATION

United States Regulatory Information

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| 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 minimis |
| CERCLA/SARA Section 302 EHS: | None above reporting de minimis. |
| CERCLA/SARA Section 311/312: | Immediate Health |
| CERCLA/SARA Section 313: | None above reporting de minimis. |
| California Proposition 65: | This product contains a chemical known in the State of California to cause cancer. |

Canada Regulatory Information

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|------------------------------|---|
| CEPA DSL/NDSL Status: | Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details. |
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16. OTHER INFORMATION

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

Prepared by: Alicia Griffin, Regulatory Affairs Specialist

Issue date: 05/02/2017

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