

Revision Number: 002.0

Safety Data Sheet

Issue date: 03/24/2017

1. PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|---|---|-----------------------------|---------------|
| Product name: | Loctite® Vinyl, Fabric and Plastic Adhesive | Product number: | M850-2035 |
| Product type: | Adhesive | Item number: | 1360694 |
| Restriction of Use: | None identified | Region: | United States |
| Manufacturer address: | Suppliers address: | Contact information: | |
| Henkel AG & Co. KGaA Henkelstr. 67 Düsseldorf 40589 | RPM Wood Finishes Group PO Box 22000 Hudson, NC 28603 (828) 728-8266 | Telephone: +49 (211) 797 0 | |

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: HIGHLY FLAMMABLE LIQUID AND VAPOR.
CAUSES SKIN IRRITATION.
MAY CAUSE AN ALLERGIC SKIN REACTION.
CAUSES SERIOUS EYE IRRITATION.
MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.
MAY CAUSE DROWSINESS OR DIZZINESS.

| HAZARD CLASS | HAZARD CATEGORY |
|--|-----------------|
| FLAMMABLE LIQUID | 2 |
| SKIN IRRITATION | 2 |
| EYE IRRITATION | 2A |
| RESPIRATORY SENSITIZATION | 1 |
| SKIN SENSITIZATION | 1 |
| SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE | 3 |

PICTOGRAM(S)



Precautionary Statements

Prevention: Keep away from heat, sparks, open flames, hot surfaces - no smoking. Keep container tightly closed. No release into water. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing vapors, mist, or spray. Wash affected area thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection. In case of inadequate ventilation wear respiratory protection.

Response: If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. If experiencing respiratory symptoms: Call a poison center or physician. Take off contaminated clothing. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

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* |
|------------------------------------|------------|-------------|
| Methyl ethyl ketone | 78-93-3 | 70 - 80 |
| Isocyanate terminated polyurethane | 30662-91-0 | 10 - 20 |

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

4. FIRST AID MEASURES

Inhalation: Get medical attention. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Move to fresh air.

Skin contact: Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention. Wash with soap and water.

Eye contact: Get medical attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Ingestion: Do not induce vomiting: contains petroleum distillates and/or aromatic solvents. If vomiting occurs, prevent aspiration by keeping the patient's head below the knees. Aspiration may cause pulmonary edema and pneumonitis. Get medical attention.

Symptoms: See Section 11.

5. FIRE FIGHTING MEASURES

Extinguishing media: Foam, dry chemical or carbon dioxide. In case of fire, keep containers cool with water spray.

Special firefighting procedures: Wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode. Wear full protective clothing.

Unusual fire or explosion hazards: Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors are heavier than air and may travel along floor to an ignition source.

Hazardous combustion products: Carbon dioxide. Carbon monoxide.

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: Do not allow product to enter sewer or waterways. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Ventilate area.

Clean-up methods:

Absorb spill with inert material. Shovel material into appropriate container for disposal. Wear suitable protective clothing, gloves and eye/face protection.

7. HANDLING AND STORAGE

Handling:

Avoid contact with eyes, skin and clothing. During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition. Wash thoroughly after handling. Keep out of the reach of children.

Storage:

Keep away from heat, spark and flame. Keep containers closed when not in use.

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 |
|------------------------------------|-----------------------------|--------------------------------------|-----------|-------|
| Methyl ethyl ketone | 200 ppm TWA 300 ppm STEL | 200 ppm (590 mg/m ³) PEL | None | None |
| Isocyanate terminated polyurethane | None | None | None | None |

Engineering controls:

Not available.

Respiratory protection:

Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Eye/face protection:

Safety goggles or safety glasses with side shields.

Skin protection:

Chemical resistant, impermeable gloves. Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| Physical state: | Liquid |
| Color: | Cream |
| Odor: | Ketone |
| Odor threshold: | Not available. |
| pH: | Not applicable |
| Vapor pressure: | 155 mm hg (20 °C (68°F)) |
| Boiling point/range: | 65 - 121 °C (149°F - 249.8 °F) |
| Melting point/ range: | Not available. |
| Specific gravity: | 1.101 |
| Vapor density: | > 1 Heavier than air |
| Flash point: | -9 - -7 °C (15.8 - 19.4 °F) Supplier method |
| Flammable/Explosive limits - lower: | 1 % |
| Flammable/Explosive limits - upper: | 6.5 % |
| Autoignition temperature: | Not available. |
| Flammability: | Not applicable |
| Evaporation rate: | 4.8 (Butyl acetate = 1) |
| Solubility in water: | Insoluble |
| Partition coefficient (n-octanol/water): | Not available. |
| VOC content: | 79.00 % (by weight, calculated using CARB method; g/L less water, less exempts calculated using SCAQMD method) |
| Viscosity: | 2,250 - 2,750 mPa.s |
| Decomposition temperature: | Not available. |

10. STABILITY AND REACTIVITY

| | |
|--|---|
| Stability: | Stable under normal conditions of storage and use. Electrostatic charge may build-up during handling. Grounding of equipment is recommended. |
| Hazardous reactions: | Will not occur. |
| Hazardous decomposition products: | Irritating organic vapours. Hydrocarbons. Oxides of carbon. |
| Incompatible materials: | Strong oxidizing agents. |
| Reactivity: | Not available. |
| Conditions to avoid: | Heat, flames, sparks and other sources of ignition. |

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Ingestion, Lungs, Eye contact

Potential Health Effects/Symptoms

| | |
|----------------------|--|
| Inhalation: | May be harmful if inhaled. Vapors and mists will irritate nose and throat and possibly eyes. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation. |
| Skin contact: | Prolonged contact with skin may cause dermatitis. May cause skin irritation with discomfort or rash. Prolonged or repeated contact has caused severe dermatitis including blisters, cracking, edema and redness. |
| Eye contact: | May cause severe eye irritation. Blurred vision. Redness. Tearing. |
| Ingestion: | May cause an aspiration hazard if swallowed. Aspirated material can enter lungs and cause damage. |

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|------------------------------------|---|--------------------------------------|
| Methyl ethyl ketone | Oral LD50 (Mouse) = 670 mg/kg Oral LD50 (Rat) = 2,300 - 3,500 mg/kg Oral LD50 (Rat) = 4,500 - 6,800 mg/kg Dermal LD50 (Rabbit) = > 8,000 mg/kg Inhalation LC50 (Rat, 4 h) = 11700 ppm | Irritant, Central nervous system |
| Isocyanate terminated polyurethane | None | No Records |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|------------------------------------|----------------|-----------------|---|
| Methyl ethyl ketone | No | No | No |
| Isocyanate terminated polyurethane | No | No | No |

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

| | |
|--|--|
| Recommended method of disposal: | Dispose of according to Federal, State and local governmental regulations. |
| Hazardous waste number: | It is the responsibility of the user to determine if an item is hazardous as defined in the Resource Conservation and Recovery Act (RCRA) at the time of disposal. Product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous, under the criteria of ignitability, corrosivity, reactivity and toxicity characteristics of the Toxicity Characteristics Leaching Procedure (TCLP) 40 CFR 261.20-24. |

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: | Adhesives |
| Hazard class or division: | 3 |
| Identification number: | UN 1133 |
| Packing group: | II |

International Air Transportation (ICAO/IATA)

| | |
|----------------------------------|-----------|
| Proper shipping name: | Adhesives |
| Hazard class or division: | 3 |
| Identification number: | UN 1133 |
| Packing group: | II |

Water Transportation (IMO/IMDG)

| | |
|----------------------------------|-----------|
| Proper shipping name: | ADHESIVES |
| Hazard class or division: | 3 |
| Identification number: | UN 1133 |
| Packing group: | II |

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, Delayed Health, Fire |
| CERCLA/SARA Section 313: | This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Methyl ethyl ketone (CAS# 78-93-3). |
| California Proposition 65: | This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. |

Canada Regulatory Information

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|-----------------------------|---|
| CEPA DSL/NDL Status: | All components are listed on or are exempt from listing on the Canadian Domestic Substances List. |
|-----------------------------|---|

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: This Safety Data Sheet contains changes from the previous version in Section(s): 10

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