

AVON, OH 44011
 TELEPHONE: (440) 937-7000

MATERIAL SAFETY DATA SHEET

00-20273
 00-20273

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS No.: 00-20273
 Product Type: Bondfast Rubber Cement

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Hydrotreated heavy naphtha	64742-48-9	60-80
CYCLOHEXANE*	110-82-7	10-20
n-HEXANE*	110-54-3	5-10
Natural Rubber	Proprietary	5-10
Hydrocarbon Resin	Proprietary	1-5
Antioxidant	6683-19-8	0.1-1.0
METHYL ETHYL KETONE*	78-93-3	<0.001
ETHYL ACETATE	141-78-6	<0.001

* This component is listed as a SARA Section 313 Toxic Chemical.

All components of this product are included on the USEPA TSCA inventory and the Canadian DSL

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Hydrotreated heavy naphtha	None	None	300 ppm
CYCLOHEXANE	300 ppm TWA 1030mg/M3	300 ppm TWA 1050mg/M3	None
n-HEXANE	50 ppmTWA (skin)	500 ppm TWA 1800 mg/M3	None
METHYL ETHYL KETONE	200 ppm TWA 590 mg/m3	200 ppm TWA 590 mg/m3	None
ETHYL ACETATE	400 ppm TWA 1440 mg/M3	400 ppm TWA 1400 mg/M3	None

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
METHYL ETHYL KETONE	300 ppm 885 mg/m3	300 ppm 885 mg/m3

3. HAZARDS IDENTIFICATION

Toxicity: Brain and nervous system damage. Drying or cracking skin.
 Primary Routes of Entry: Inhalation, ingestion, eye and skin contact.

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3. HAZARDS IDENTIFICATION

(continued)

Signs and Symptoms

of Exposure: Headache, dizziness, fatigue, drowsiness, irregular heartbeat, skin and eye irritation.

Existing Conditions

Aggravated by Exposure: Liver, skin, respiratory, and central nervous system diseases, and alcoholism.

 Heart, kidney, and lung disorders.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Hydrotreated heavy naphtha	NTO	NO	NO	NO
CYCLOHEXANE	CNS IRR	NO	NO	NO
n-HEXANE	DEV IRR LUN NER REP	NO	NO	NO
Natural Rubber	No Data	NO	NO	NO
Hydrocarbon Resin	No Data	NO	NO	NO
Antioxidant	NTO	NO	NO	NO
METHYL ETHYL KETONE	CNS IRR	NO	N/A	NO
ETHYL ACETATE	BLO CNS IRR	NO	NO	NO

Abbreviations

- N/A Not Applicable
- CNS Central nervous system
- IRR Irritant
- NER Nervous System
- REP Reproductive
- BLO Blood
- DEV Developmental
- LUN Lung
- NTO No Target Organs

Other possible target organs: Cardiovascular system, kidney, skin, liver, lung, respiratory system, and central and peripheral nervous systems.

4. FIRST AID MEASURES

- Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.
- Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention. Administer oxygen or artificial respiration if necessary.
- Skin Contact: Wash with soap and water.
- Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

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5. FIRE FIGHTING MEASURES

Flash Point: Less than <0°F <-18°C Method: PMCC
Recommended
Extinguishing Agents: Carbon dioxide, foam, dry chemical.

Self contained breathing apparatus with a full face piece operated in pressure demand or other positive pressure mode should be used when confronted with large fires.

Special Firefighting

Procedures: Not available

Hazardous Products formed
by Fire or Thermal Decomp Oxides of carbon.

Unusual Fire or

Explosion Hazards: This material is flammable and may be ignited by heat, sparks, flame or static electricity.

Explosive Limits:

(% by volume in air)Lower 1.0%
(% by volume in air)Upper 10.0%

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case

of spill or leak: Remove sources of ignition. Maintain adequate ventilation. Soak up with an inert absorbent. Store in a closed container until disposal.

7. HANDLING AND STORAGE

Safe Storage: Store below 120°F in closed container.
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
Handling: Keep away from eyes. Avoid prolonged breathing of vapors or prolonged skin contact. Keep away from sparks, flames, or high heat sources.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Chemical splash goggles.
Skin: Impervious rubber or plastic gloves recommended.
Impervious clothing or boots as needed.
Ventilation: Sufficient to maintain vapor concentration below TLV.
Respiratory: NIOSH/MSHA approved organic vapor cartridge respirator if indicated.

See Section 2 for Exposure Limits.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Translucent, viscous liquid
Odor: Moderate
Boiling Point: 171°F, 77°C
pH: Does not apply
Solubility in Water: Insoluble
Specific Gravity: 0.70
Volatile Organic Compound
(EPA Method 24) 89%; 5.2 pounds/gallon.
Vapor Pressure: Not available
Vapor Density: 3
Evaporation Rate
(Ether = 1) Not available

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Strong acids, bases, oxidizing agents, selected
amines with alkali metals and halogens.
Conditions to Avoid: Not available
Hazardous Decomposition
Products (non-thermal): Oxides of carbon, formic acid, dimethylamine,
peroxides.

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of
disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste
Number D001/D035 - Hazardous waste per 40CFR 261.21 and
a TCLP waste per 261.24/Methyl Ethyl Ketone.

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport

Proper Shipping Name: Consumer Commodity (Not more than one liter);
Adhesives, Class 3, UN 1133, PKG Grp II >1 Liter

Hazard Class or
Division:

ORM-D (Not more than one liter);
Class 3, Packing Group II (More than one liter)

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14. TRANSPORTATION INFORMATION (continued)

Identification Number: None (Not more than one liter);
UN 1133 (More than one liter)

Marine Pollutant: None

IATA

Proper Shipping Name: Consumer Commodity (Not more than one liter);
Adhesives, Class 3, UN 1133, PKG Grp II >1 Liter

Class or Division: Class 3, Packing Group II

UN or ID Number: UN 1133

15. REGULATORY INFORMATION

CA Proposition 65:

16. OTHER INFORMATION

Estimated NFPA(R) Code:

Health Hazard: 2
Fire Hazard: 3
Reactivity Hazard: 0
Specific Hazard: None

Estimated HMIS(R) Code:

Health Hazard: 2
Flammability Hazard: 3
Reactivity Hazards: 1
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

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