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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: BigFootTm Vehicular Grade RESIN
Product type: Epoxy Resin
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 96221_314091 / IDH No. 702190
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Aluminum oxide 1344-28-1	10-30	10 mg/m ³ TWA particulate matter containing no asbestos and <1% crystalline silica None	15 mg/m ³ TWA total dust 5 mg/m ³ TWA respirable fraction	None
Nepheline syenite 37244-96-5	10-30	None	None	None
Silica, quartz 14808-60-7	10-30	0.025 mg/m ³ TWA respirable fraction	0.1mg/m ³ TWA (respirable)	None
Epoxy resin Proprietary	5-10	None	None	None
Xylene 1330-20-7	5-10	100 ppm TWA 150 ppm STEL	100 ppm TWA 435 mg/m ³ TWA	None
Propylene glycol monomethyl ether 107-98-2	5-10	100 ppm TWA 150 ppm STEL	None	None
Light aromatic solvent naphtha 64742-95-6	1-5	None	None	50 ppm
Methyl N-amyl ketone 110-43-0	1-5	50 ppm TWA	100 ppm TWA 465 mg/m ³ TWA	None
Calcium metasilicate 13983-17-0	1-5	None	None	None
Carbon black 1333-86-4	0.1-1	3.5 mg/m ³ TWA	3.5 mg/m ³ TWA	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Paste
Color: Black
Odor: Mild

HMIS:

HEALTH:
FLAMMABILITY:
PHYSICAL HAZARD:
Personal Protection:

2*
3
1
See Section 8

WARNING: FLAMMABLE LIQUID AND VAPOR.
CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION
MAY CAUSE EYE AND SKIN BURNS.
HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN.
MAY CAUSE ALLERGIC SKIN AND RESPIRATORY REACTION.

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

Potential Health Effects

Inhalation: Vapors may cause headaches, nausea, dizziness and respiratory tract irritation. Allergic respiratory reaction.
Skin contact: Irritating to skin. May cause allergic skin reaction. Contains material that may be moderately toxic if absorbed through skin. Possible burns to skin.
Eye contact: Severe eye irritation.
Ingestion: Contains material that may be slightly toxic. May be harmful if swallowed.

Existing conditions aggravated by exposure: Eczema. Other pre-existing skin conditions. Skin allergies.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical attention.
Skin contact: Remove contaminated clothing and shoes. Immediately flush skin with plenty of water (using soap, if available). Wash clothing before reuse. Get medical attention if symptoms occur.
Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Notes to physician: None.

5. FIRE-FIGHTING MEASURES

Flash point: Greater than 33°C (92°F) Seta closed cup
Autoignition temperature: Not available
Flammable/Explosive limits-lower %: 2.7 %
Flammable/Explosive limits-upper %: 11.8 %
Extinguishing media: Carbon dioxide. Dry chemical. Foam.
Special fire fighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards: Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Decomposition and combustion products may be toxic.
Hazardous combustion products: Oxides of carbon. Aldehydes.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Prevent product from entering drains or open waters.

Clean-up methods: Remove all ignition sources. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a closed container until ready for disposal. Do not let product enter drains.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Do not taste or swallow.

Storage: For safe storage, store at or below 43°C (110°F). Ground and bond metal containers for liquid transfer to avoid static sparks.

Incompatible products: Oxidizing agents.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Use explosion-proof mechanical ventilation and local exhaust to control contaminants to within their occupational exposure limits during the use of this product. Mechanical exhaust is not recommended as the sole means of controlling employee exposure.

Respiratory protection: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH.

Skin protection: Chemical resistant, impermeable gloves.

Eye/face protection: Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Paste
Color:	Black
Odor:	Mild
Vapor pressure:	8 mmHg @20°C (68° F)
pH:	Not applicable
Boiling point/range:	Greater than 116°C (240°F)
Melting point/range:	Not available
Specific gravity:	1.7
Vapor density:	Greater than 1 (air equals 1)
Evaporation rate:	Less than butyl acetate. (Butyl acetate = 1)
Solubility in water:	Soluble.
Partition coefficient (n-octanol/water):	Not available
VOC content:	249 g/L

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: Oxides of carbon. Aldehydes. Acids. Irritating organic fragments.

Incompatibility: Oxidizing agents. Strong acids and strong bases. Amines.

Conditions to avoid: Heat, flames and sparks. Note: Heating the epoxy resin in this product above 148.9 °C (300 °F) in the presence of air may cause slow oxidative decomposition. Above 260 °C (500 °F) polymerization of the epoxy resin may occur. Aliphatic polyamines can produce exothermic reactions with epoxy resins which in large masses can cause runaway polymerization and charring of the reactants. Fumes and vapors from these thermal and chemical decompositions vary widely in composition and toxicity. Do not breathe fumes.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Aluminum oxide 1344-28-1	No	No	No
Nepheline syenite 37244-96-5	No	No	No
Silica, quartz 14808-60-7	Known Carcinogen	Group 1	Yes
Epoxy resin Proprietary	No	No	No
Xylene 1330-20-7	No	No	No
Propylene glycol monomethyl ether 107-98-2	No	No	No
Light aromatic solvent naphtha 64742-95-6	No	No	No
Methyl N-amyl ketone 110-43-0	No	No	No
Calcium metasilicate 13983-17-0	No	No	No
Carbon black 1333-86-4	No	Group 2B	Yes

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Aluminum oxide 1344-28-1	Corrosive, Irritant, Nuisance dust
Nepheline syenite 37244-96-5	No Target Organs
Silica, quartz 14808-60-7	Some evidence of carcinogenicity, Lung, Immune system
Epoxy resin Proprietary	Allergen, Irritant
Xylene 1330-20-7	Cardiac, Central nervous system, Irritant, Kidney, Liver
Propylene glycol monomethyl ether 107-98-2	Central nervous system, Irritant, Developmental
Light aromatic solvent naphtha 64742-95-6	Irritant
Methyl N-amyl ketone 110-43-0	Central nervous system, Irritant
Calcium metasilicate 13983-17-0	Lung
Carbon black 1333-86-4	Respiratory, Some evidence of carcinogenicity

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.

EPA hazardous waste number: D001: Ignitable.

14. TRANSPORT INFORMATION

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

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

Proper shipping name: Paint
Hazard class or division: 3

Item No. : 96221_314091 / IDH No. 702190

Product name: BigFootTm Vehicular Grade RESIN

Identification number: UN 1263
Packing group: III
Exceptions: (Not more than 5 L) Consumer Commodity ORM-D

International Air Transportation (ICAO/IATA):

Proper shipping name: Paint
Hazard class or division: 3
Identification number: UN1263
Packing group: III
Exceptions: (Not more than 500 ml) May Qualify as Consumer Commodity ID8000

WaterTransportation (IMO/IMDG):

Proper shipping name: Paint
Hazard class or division: 3
Identification number: UN1263
Packing group: III
Marine pollutant: 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.

CERCLA/SARA Section 302 EHS: None.
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard, Fire
CERCLA/SARA 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). Xylene (CAS# 1330-20-7). Aluminum oxide (CAS# 1344-28-1).

California Proposition 65: This product contains a chemical known to the State of California to cause cancer.

Canada Regulatory Information

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

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 2

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