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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE 3364 UR 50ML PT B
Product type: Polyurethane hardener
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 1166733_193485 / IDH No. 1167014
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	30-60	10 mg/m ³ TWA particulate matter containing no asbestos and <1% crystalline silica	15 mg/m ³ TWA total dust 5 mg/m ³ TWA respirable fraction	None
Castor oil 8001-79-4	10-30	None	None	None
N,N,N',N'-Tetrakis (2-hydroxypropyl) ethylenediamine 102-60-3	10-30	None	None	None
Ammonium polyphosphate 68333-79-9	10-30	None	None	None
Titanium dioxide 13463-67-7	1-5	10 mg/m ³ TWA	15 mg/m ³ TWA total dust	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: Liquid
Color: Black
Odor: Mild

HMIS:

HEALTH: 2*
FLAMMABILITY: 1
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

WARNING: CAUSES EYE IRRITATION.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.
MAY AFFECT THE CENTRAL NERVOUS SYSTEM.

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

Potential Health Effects

Inhalation: May cause respiratory tract irritation. May cause irritation to nose and throat. May cause central nervous system effects, such as headache, nausea, vomiting, abdominal pain, dizziness, confusion, breathing difficulties.
Skin contact: May cause allergic skin reaction. May cause skin irritation. Itching.
Eye contact: Severe eye irritation. Pain and discomfort. Excess tearing. Redness. Swelling. May cause permanent visual impairment.
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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Existing conditions aggravated by exposure:

Skin disorders. Skin allergies.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact:	Remove contaminated clothing and shoes. Immediately flush skin with plenty of water (using soap, if available). Wash clothing before reuse. Thoroughly clean shoes 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. Keep individual calm. Never give anything by mouth to an unconscious person. Get medical attention if symptoms develop and persist.

5. FIRE-FIGHTING MEASURES

Flash point:	Greater than 96.11°C (205°F) Setaflash
Autoignition temperature:	Not available
Flammable/Explosive limits-lower %:	Not available
Flammable/Explosive limits-upper %:	Not available
Extinguishing media:	Use dry chemical, CO ₂ , water spray or 'alcohol' foam.
Special fire fighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards:	In the event of fire, cool tanks with water spray.
Hazardous combustion products:	Oxides of carbon. Oxides of nitrogen. Oxides of silicon. Irritating organic fragments.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Do not allow material to contaminate ground water system. Prevent product from entering drains or open waters.
Clean-up methods:	Ensure adequate ventilation. Use proper eye and skin protection. Soak up with inert absorbent. Store in a closed container until ready for disposal. Wash spillage site thoroughly with soap and water or detergent solution.

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. Keep container closed. Use only with adequate ventilation.
Storage:	Keep in a cool, well ventilated area. Store away from ignition sources. Store in original container until ready to use.
Incompatible products:	Refer to Section 10.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Use local exhaust ventilation if the potential for airborne exposure exists.
Respiratory protection:	Use a NIOSH approved respirator if ventilation is inadequate.
Skin protection:	Use impermeable gloves and protective clothing as necessary to prevent skin contact.

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Eye/face protection:

Chemical splash goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Black
Odor:	Mild
Vapor pressure:	Not available
pH:	Not applicable
Boiling point/range:	Not available
Melting point/range:	Not available
Specific gravity:	1.49
Vapor density:	Not available
Evaporation rate:	Not available
Solubility in water:	Not available
Partition coefficient (n-octanol/water):	Not available
VOC content:	0.053%

10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	Oxides of carbon. Oxides of nitrogen. Oxides of silicon. Irritating organic fragments.
Incompatibility:	Strong acids and oxidizing agents. Moisture.
Conditions to avoid:	High temperatures. Exposure to moisture.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Aluminum oxide 1344-28-1	No	No	No
Castor oil 8001-79-4	No	No	No
N,N,N',N'-Tetrakis (2-hydroxypropyl) ethylenediamine 102-60-3	No	No	No
Ammonium polyphosphate 68333-79-9	No	No	No
Titanium dioxide 13463-67-7	No	Group 2B	Yes
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
Castor oil 8001-79-4	Irritant
N,N,N',N'-Tetrakis (2-hydroxypropyl) ethylenediamine 102-60-3	No Target Organs
Ammonium polyphosphate 68333-79-9	No Target Organs
Titanium dioxide 13463-67-7	Irritant, Respiratory
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 in accordance with Federal, State and local regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

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:	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

WaterTransportation (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

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
CERCLA/SARA 313:	None above reporting de minimus.

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

Canada Regulatory Information

CEPA DSL/NDL 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.
WHMIS hazard class:	D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: First issue.

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