



Revision Number: 001.2

Issue date: 10/19/2009

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Loctite® Black Contact Adhesive	IDH number:	234930
Product type:	Contact adhesive	Item number:	30540
		Region:	United States
Company address:	Contact information:		
Henkel Corporation	Telephone: 860.571.5100		
One Henkel Way	Emergency telephone: 860.571.5100		
Rocky Hill, Connecticut 06067	Internet: www.henkelna.com		

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	Liquid	HMIS:	
Color:	Black	HEALTH:	*2
Odor:	Solvent	FLAMMABILITY:	3
		PHYSICAL HAZARD:	0
		Personal Protection:	Not available

DANGER: EXTREMELY FLAMMABLE LIQUID AND VAPOR.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL OR FATAL IF SWALLOWED OR INHALED.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: The solvent vapors can be harmful and cause headache, nausea, and intoxication. Irritates the nose, throat and respiratory system. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Breathing small amounts during normal handling is not likely to cause harmful effects; breathing large amounts may be harmful.

Skin contact: Repeated or prolonged contact can result in drying of skin. Prolonged or repeated contact may cause irritation.

Eye contact: Vapors irritate the eyes. Contact with liquid or mist will irritate the eyes.

Ingestion: Harmful if swallowed.

Existing conditions aggravated by exposure: Other respiratory disorders (bronchitis, emphysema, bronchial hyperreactivity). Other pre-existing skin conditions.

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Methyl ethyl ketone	78-93-3	10 - 30
Toluene	108-88-3	10 - 30
Acetone	67-64-1	10 - 30
n-Hexane	110-54-3	10 - 30
1,3-Butadiene, 2-chloro-, homopolymer	9010-98-4	5 - 10
Formaldehyde, polymer with 4-(1,1-dimethylethyl)p	54579-44-1	5 - 10
Silica, amorphous, fumed, crystal-free	112945-52-5	5 - 10
Magnesium oxide	1309-48-4	5 - 10
Zinc oxide	1314-13-2	0.1 - 1
Silicic acid aluminum salt	1335-30-4	0.1 - 1
Carbon black	1333-86-4	0.1 - 1

4. FIRST AID MEASURES

Inhalation:	Move to fresh air in case of accidental inhalation of vapours. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention. If not breathing, give artificial respiration.
Skin contact:	Wash with soap and water. If symptoms develop and persist, get medical attention.
Eye contact:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
Ingestion:	If material is ingested, immediately contact a physician or poison control center.

5. FIRE FIGHTING MEASURES

Flash point:	-24 °C (-11.2 °F)
Autoignition temperature:	Not available
Flammable/Explosive limits - lower:	Not available
Flammable/Explosive limits - upper:	Not available
Extinguishing media:	Foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode.
Unusual fire or explosion hazards:	Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
Hazardous combustion products:	Oxides of carbon. Irritating vapors.

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 material to contaminate ground water system.
Clean-up methods:	Wipe up with adsorbent material (e.g. cloth, fleece). Scrape up spilled material and place in a closed container for disposal.

7. HANDLING AND STORAGE

Handling:	When using, do not eat, drink or smoke. Keep away from heat, spark and flame.
Storage:	Store away from ignition sources. Keep in a cool, well ventilated area. Keep container closed.

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

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 components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Methyl ethyl ketone	200 ppm TWA 300 ppm STEL	200 ppm (590 mg/m3) TWA	None	None
Toluene	20 ppm TWA	200 ppm TWA 300 ppm Ceiling 500 ppm MAX. CONC 10 minutes	None	None
Acetone	500 ppm TWA 750 ppm STEL	1,000 ppm (2,400 mg/m3) TWA	None	None
n-Hexane	(SKIN) 50 ppm TWA	500 ppm (1,800 mg/m3) TWA	None	None
1,3-Butadiene, 2-chloro-, homopolymer	None	None	None	None
Formaldehyde, polymer with 4-(1,1-dimethylethyl)p	None	None	None	None
Silica, amorphous, fumed, crystal-free	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	20 MPPCF TWA 0.8 mg/m3 TWA	None	None
Magnesium oxide	10 mg/m3 TWA Inhalable fraction.	15 mg/m3 TWA Total particulate.	None	None
Zinc oxide	2 mg/m3 TWA Respirable fraction. 10 mg/m3 STEL Respirable fraction.	5 mg/m3 TWA Fume. 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust.	None	None
Silicic acid aluminum salt	None	None	None	None
Carbon black	3.5 mg/m3 TWA	3.5 mg/m3 TWA	None	None

Engineering controls:

Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination. Ensure adequate ventilation, especially in confined areas.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Black
Odor:	Solvent
Odor threshold:	Not available
pH:	Not available
Vapor pressure:	Not available
Boiling point/range:	Not available
Melting point/ range:	Not available
Vapor density:	Not available
Flash point:	-24 °C (-11.2 °F)
Flammable/Explosive limits - lower:	Not available
Flammable/Explosive limits - upper:	Not available
Autoignition temperature:	Not available
Evaporation rate:	Not available
Solubility in water:	Not available
Partition coefficient (n-octanol/water):	Not available
VOC content:	51.00 %; 452.00 g/l

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Oxides of carbon. Irritating organic vapours.
Incompatible materials:	Acids and bases. Oxidizing agents.
Conditions to avoid:	Heat, flames, sparks and other sources of ignition.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Methyl ethyl ketone	No	No	No
Toluene	No	No	No
Acetone	No	No	No
n-Hexane	No	No	No
1,3-Butadiene, 2-chloro-, homopolymer	No	No	No
Formaldehyde, polymer with 4-(1,1-dimethylethyl)p	No	No	No
Silica, amorphous, fumed, crystal-free	No	No	No
Magnesium oxide	No	No	No
Zinc oxide	No	No	No
Silicic acid aluminum salt	No	No	No
Carbon black	No	Group 2B	No

Hazardous components	Health Effects/Target Organs
Methyl ethyl ketone	Irritant, Central nervous system
Toluene	Behavioral, Cardiac, Central nervous system, Developmental, Ear, Irritant
Acetone	Blood, Central nervous system, Irritant, Reproductive
n-Hexane	Developmental, Irritant, Lung, Nervous System, Reproductive
1,3-Butadiene, 2-chloro-, homopolymer	No Target Organs
Formaldehyde, polymer with 4-(1,1-dimethylethyl)p	Irritant, Allergen
Silica, amorphous, fumed, crystal-free	Nuisance dust
Magnesium oxide	Blood, Central nervous system, Immune system, Irritant
Zinc oxide	Blood, Gastrointestinal, Immune system, Irritant, Kidney, Metabolic, Nervous System, Pancreas, Respiratory, Skin
Silicic acid aluminum salt	Irritant
Carbon black	Respiratory, Some evidence of carcinogenicity

12. ECOLOGICAL INFORMATION

Ecological information:

No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, ground water, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of in accordance with local and national regulations.

Hazardous waste number: D001: Ignitable.

14. TRANSPORT INFORMATION

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

Proper shipping name: Adhesives
Hazard class or division: 3
Identification number: UN 1133
Packing group: II
DOT Reportable quantity: Toluene, Methyl ethyl ketone

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

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 minimus

CERCLA/SARA Section 302 EHS: None above reporting de minimus

CERCLA/SARA Section 311/312: Immediate Health, Delayed Health, 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). Methyl ethyl ketone (CAS# 78-93-3). Toluene (CAS# 108-88-3). n-Hexane (CAS# 110-54-3).

California Proposition 65: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

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

16. OTHER INFORMATION

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

Prepared by: Lou Fabrizio, Regulatory Affairs Specialist

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Corporation's products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.