



Revision Number: 004.1

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	LOCTITE® 7649™ PRIMER	IDH number:	209715
Product type:	Accelerator	Item number:	21348
		Region:	United States
Company address:	Contact information:		
Henkel Corporation	Telephone: 860.571.5100		
One Henkel Way	MEDICAL EMERGENCY Phone: Poison Control Center		
Rocky Hill, Connecticut 06067	1-877-671-4608 (toll free) or 1-303-592-1711		
	TRANSPORT EMERGENCY Phone: CHEMTREC		
	1-800-424-9300 (toll free) or 1-703-527-3887		
	Internet: www.henkelna.com		

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	Liquid	HEALTH:	*2
Color:	Green	FLAMMABILITY:	3
Odor:	Acetone	PHYSICAL HAZARD:	0
		Personal Protection:	See MSDS Section 8
DANGER:	CAUSES EYE AND SKIN IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. FLAMMABLE LIQUID AND VAPOR.		

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

Potential Health Effects

Inhalation:	Vapors and mists will irritate nose and throat and possibly eyes. May cause respiratory tract irritation. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination. Harmful by inhalation.
Skin contact:	May cause skin irritation. Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.
Eye contact:	Vapors may irritate eyes. Contact with eyes will cause irritation.
Ingestion:	Harmful if swallowed.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Acetone	67-64-1	60 - 100
Isobutane	75-28-5	10 - 30
Hexanoic acid, 2-ethyl-, compd. with N,N-dibutyl-1-butanamine (1:1)	58823-74-8	0.1 - 1
Chromium	7440-47-3	0 - 0.1
Iron	7439-89-6	0 - 0.1
Nickel	7440-02-0	0 - 0.1
Cobalt	7440-48-4	0 - 0.1
2-Ethylhexanoic acid, copper salt	22221-10-9	0.1 - 1
2-Ethylhexanoic acid	149-57-5	0.1 - 1
2-Propanol	67-63-0	0 - 0.1
Acetaldehyde	75-07-0	0 - 0.1
Benzene	71-43-2	0 - 0.1
Formaldehyde	50-00-0	0 - 0.1
Water	7732-18-5	0 - 0.1

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If symptoms persist, seek medical advice.
Skin contact:	Wash with soap and water. If symptoms develop and persist, get medical attention.
Eye contact:	Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
Ingestion:	If conscious, drink plenty of water. Do not induce vomiting. Keep individual calm. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash point:	Not available.
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 self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards:	Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.
Hazardous combustion products:	Oxides of carbon. Oxides of nitrogen. Irritating organic vapours.

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.
Clean-up methods:	Remove all sources of ignition. Ensure adequate ventilation. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling: Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. 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.

Storage: For safe storage, store at or below 49 °C (120.2 °F)
Store away from heat, sparks, flames, or other sources of ignition.

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
Acetone	500 ppm TWA 750 ppm STEL	1,000 ppm (2,400 mg/m ³) TWA	None	None
Isobutane	1,000 ppm TWA	None	None	None
Hexanoic acid, 2-ethyl-, compd. with N,N-dibutyl-1-butanamine (1:1)	None	None	None	None
Chromium	0.5 mg/m ³ TWA (as Cr) 0.5 mg/m ³ TWA (as Cr)	1 mg/m ³ TWA (as Cr)	None	None
Iron	None	None	None	None
Nickel	1.5 mg/m ³ TWA Inhalable fraction.	1 mg/m ³ TWA (as Ni)	None	None
Cobalt	0.02 mg/m ³ TWA (as Co)	0.1 mg/m ³ TWA (as Co) Dust and fume.	None	None
2-Ethylhexanoic acid, copper salt	None	None	None	None
2-Ethylhexanoic acid	5 mg/m ³ TWA Inhalable fraction and vapor.	None	None	None
2-Propanol	200 ppm TWA 400 ppm STEL	400 ppm (980 mg/m ³) TWA	None	None
Acetaldehyde	25 ppm Ceiling	200 ppm (360 mg/m ³) TWA	None	None
Benzene	2.5 ppm STEL 0.5 ppm TWA (SKIN)	1 ppm TWA 0.5 ppm OSHA ACT 5 ppm STEL 50 ppm MAX. CONC 10 minutes 25 ppm Ceiling 10 ppm TWA	None	None
Formaldehyde	0.3 ppm Ceiling (Sensitiser.)	2 ppm STEL 0.5 ppm OSHA ACT 0.75 ppm TWA	None	None
Water	None	None	None	None

Engineering controls: Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

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: Neoprene, Butyl-rubber, or nitrile-rubber gloves. Chemical resistant, impermeable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Green
Odor: Acetone
Odor threshold: Not available.
pH: Not available.
Vapor pressure: 172 mm hg (68 °F (20°C))
Boiling point/range: 133 °F (56.1 °C)
Melting point/ range: Not available.
Specific gravity: 0.7936
Vapor density: 2.0
Flash point: Not available.
Flammable/Explosive limits - lower: Not available.
Flammable/Explosive limits - upper: Not available.
Autoignition temperature: Not available.
Evaporation rate: 1.9 (Ether = 1)
Solubility in water: Soluble
Partition coefficient (n-octanol/water): Not available.
VOC content: 1.48 %; 11.7 g/l EPA Method 24

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous reactions: Will not occur.

Hazardous decomposition products: Oxides of carbon. Oxides of nitrogen. Irritating organic vapours.

Incompatible materials: Strong oxidizing agents. Acids.

Conditions to avoid: See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Acetone	No	No	No
Isobutane	No	No	No
Hexanoic acid, 2-ethyl-, compd. with N,N-dibutyl-1-butanamine (1:1)	No	No	No
Chromium	No	No	No
Iron	No	No	No
Nickel	Reasonably Anticipated to be a Human Carcinogen.	Group 2B	No
Cobalt	No	Group 2B	No
2-Ethylhexanoic acid, copper salt	No	No	No
2-Ethylhexanoic acid	No	No	No
2-Propanol	No	No	No
Acetaldehyde	Reasonably Anticipated to be a Human Carcinogen.	Group 2BGroup 1	No
Benzene	Known To Be Human Carcinogen.	Group 1	No
Formaldehyde	Known To Be Human Carcinogen.	Group 1	No
Water	No	No	No

Hazardous components	Health Effects/Target Organs
Acetone	Blood, Central nervous system, Irritant, Reproductive
Isobutane	Cardiac, Central nervous system, Lung
Hexanoic acid, 2-ethyl-, compd. with N,N-dibutyl-1-butanamine (1:1)	No Records
Chromium	Irritant, Allergen, Eyes
Iron	Eyes, Lung
Nickel	Allergen, Carcinogen, Irritant, Kidney, Mutagen, Reproductive, Respiratory
Cobalt	Allergen, Blood, Developmental, Endocrine, Eyes, Gastrointestinal, Heart, Irritant, Kidney, Liver, Lung, Mutagen, Nervous System, Reproductive, Respiratory, Some evidence of carcinogenicity, Spleen, Less weight gain and food intake.
2-Ethylhexanoic acid, copper salt	No Target Organs
2-Ethylhexanoic acid	Developmental, Eyes, Irritant, Liver, Reproductive
2-Propanol	Allergen, Blood, Brain, Central nervous system, Irritant, Kidney, Liver, Spleen
Acetaldehyde	Allergen, Central nervous system, Irritant, Mutagen, Respiratory, Some evidence of carcinogenicity, Less weight gain and food intake.
Benzene	Blood, Bone Marrow, Carcinogen, Immune system, Irritant, Mutagen, Nervous System
Formaldehyde	Allergen, Behavioral, Central nervous system, Irritant, Liver, Metabolic, Mutagen, Reproductive, Respiratory, Some evidence of carcinogenicity
Water	No Target Organs

12. ECOLOGICAL INFORMATION

Ecological information: Do not empty into drains / surface water / ground water.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: D001: Ignitable. This product may contain traces of: D018: Benzene. However this product is only classifiable as hazardous waste if it exhibits the characteristics of toxicity as shown by the toxicity characteristic leaching procedure (TCLP). Under RCRA, it is the responsibility of the end user of this product to determine whether it meets this criteria at the time of disposal.

14. TRANSPORT INFORMATION

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

Proper shipping name: Aerosols
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None
Exceptions: ID8000, (Not more than 30 kg), May Qualify as Consumer Commodity

Water Transportation (IMO/IMDG)

Proper shipping name: AEROSOLS
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None
Exceptions: Limited quantity (Not more than 1 L).

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 minimis
CERCLA/SARA Section 311/312:	Delayed Health, Fire, Immediate Health
CERCLA/SARA 313:	None above reporting de minimis
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.
WHMIS hazard class:	A, B.5, D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 1

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