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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Non-Chlorinated Parts Cleaner	Item number: 30545 / IDH No. 234935
Product type: Solvent Cleaner	Region: United States
Company address: Henkel Loctite Corporation 1001 Trout Brook Crossing Rocky Hill, Connecticut 06067	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>
Acetone 67-64-1	30-60	500 ppm TWA 750 ppm STEL	1000 ppm TWA 2400 mg/m ³ TWA	None
n-Heptane 142-82-5	10-30	400 ppm TWA 500 ppm STEL	2000 mg/m ³ TWA 500 ppm TWA	None
Xylene 1330-20-7	10-30	100 ppm TWA 150 ppm STEL	100 ppm TWA 435 mg/m ³ TWA	None
Propane 74-98-6	10-30	2500 ppm TWA	1000 ppm TWA 1800 mg/m ³ TWA	None
Ethyl benzene 100-41-4	1-5	100 ppm TWA 125 ppm STEL	100 ppm TWA 435 mg/m ³ TWA	None
Toluene 108-88-3	0.1-1	50 ppm TWA (skin)	200 ppm TWA 300 ppm Ceiling	None

3. HAZARDS IDENTIFICATION
EMERGENCY OVERVIEW

Physical state: Aerosol Liquid	HEALTH: 2
Color: Clear	FLAMMABILITY: 4
Odor: Solvent	PHYSICAL HAZARD: 0
	Personal Protection: See Section 8

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

Potential Health Effects

Inhalation:	Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed. Irritation of eyes, skin and respiratory system. Overexposure may cause nervous system depression. Continued exposure may cause increased light-headedness, staggering, unconsciousness and even death. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Prolonged exposure to solvents may cause adverse effects to the liver, urinary, and reproductive systems.
Skin contact:	Harmful in contact with skin.
Eye contact:	Vapors may irritate eyes. Contact with eyes will cause irritation.
Ingestion:	Ingestion or inhalation of high concentrations may cause injuries to gastrointestinal tract, liver, kidneys and central nervous system.

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

See Section 11 for additional toxicological information.
Item number: 30545 / IDH No. 234935

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4. FIRST AID MEASURES

Inhalation:	Move to an area free from risk of further exposure. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention.
Skin contact:	Get medical attention if symptoms develop and persist. Wash with soap and water. Wash clothing before reuse.
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. Call a physician immediately.

5. FIRE-FIGHTING MEASURES

Flash point:	-17.7°C (0°F) Value for propellant Tagliabue closed cup
Autoignition temperature:	Not available
Flammable/Explosive limits-lower %:	1.0
Flammable/Explosive limits-upper %:	12.8
Extinguishing media:	Carbon dioxide (CO ₂). Foam. Dry chemical.
Special fire fighting procedures:	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA). If water is used, fog nozzles are preferable. Water spray may be ineffective. Water may be unsuitable as an extinguishing media, but may be helpful in keeping adjacent containers cool.
Unusual fire or explosion hazards:	Closed containers may explode when exposed to extreme heat. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
Hazardous combustion products:	Oxides of carbon. Irritating organic fragments.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Do not flush into surface water or sanitary sewer system.
Clean-up methods:	Spilled liquid is combustible and can be ignited by heat, flames, sparks, or other sources of ignition. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Soak up with inert absorbent. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling:	Use only in area provided with appropriate exhaust ventilation. Keep away from heat, spark and flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Vapors will accumulate readily and may ignite explosively. Keep out of the reach of children. Empty container precaution: Attention! This container can be hazardous when empty. Follow label cautions even after the container is empty since empty containers could retain product residues. Do not re-use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur. 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:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
Incompatible products:	Acids. Oxidizing and spontaneously flammable products.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits. Provide local ventilation for prolonged use in a confined area. In case of insufficient ventilation, wear suitable respiratory equipment.
Respiratory protection:	In case of insufficient ventilation wear suitable respiratory equipment. When workplace hazards warrant the use of a respirator, appropriate respirators must be used, and a program that follows 29 CFR 1910.134 must be followed.
Skin protection:	Use impermeable gloves and protective clothing as necessary to prevent skin contact.
Eye/face protection:	Chemical splash goggles or safety glasses with side shields. Avoid contact with eyes. Do not wear contact lenses when handling this product.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Aerosol Liquid
Color:	Clear
Odor:	Solvent
Vapor pressure:	Not available
pH:	Not applicable
Boiling point/range:	-17.7-144°C (0-292°F)
Melting point/range:	Not available
Specific gravity:	0.74
Vapor density:	Heavier than air
Evaporation rate:	Not available
Solubility in water:	Slightly soluble
Partition coefficient (n-octanol/water):	Not available
VOC content:	49.8%; 369 grams/liter

10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	None under normal use
Incompatibility:	Acids. Bases. Oxidizing agents.
Conditions to avoid:	Heat, flames and sparks. Direct sources of heat.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Acetone	No	No	No
n-Heptane	No	No	No
Xylene	No	No	No
Propane	No	No	No
Ethyl benzene	No	Group 2B	No
Toluene	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Acetone	Blood, Central nervous system, Irritant, Reproductive
n-Heptane	Central nervous system, Irritant
Xylene	Cardiac, Central nervous system, Irritant, Kidney, Liver
Propane	Cardiac, Central nervous system, Irritant
Ethyl benzene	Central nervous system, Irritant
Toluene	Behavioral, Cardiac, Central nervous system, Developmental, Ear, Irritant

12. ECOLOGICAL INFORMATION

Ecological information:

No specific studies have been conducted by Loctite on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, groundwater, 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:

Do not incinerate. Depressurize cans. Dispose of in accordance with Federal, State and local regulations.

EPA hazardous waste number:

D001: Ignitable.

14. TRANSPORT INFORMATION

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

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: Not available

International Air Transportation (ICAO/IATA):

Proper shipping name: Aerosols, flammable, n.o.s
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: Not determined

Water Transportation (IMO/IMDG):

Proper shipping name: Aerosols, flammable, n.o.s
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: Not available
Marine pollutant: Not available

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:	Not available
CERCLA/SARA Section 302 EHS:	Not available
CERCLA/SARA Section 311/312:	Not available
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). Ethyl Benzene (CAS# 100-41-4).
California Proposition 65:	This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. Formaldehyde (CAS# 50-00-0).

Canada Regulatory Information

CEPA DSL/NDSL Status:	All components are listed on or are exempt from listing on the 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:
New Material Safety Data Sheet format.

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