Material Safety Data Sheet

Revision Number: 001.2

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE® X-NMS CLEAN UP SOLVENT FOR INSTANT ADHESIVES
Product type: Solvent

IDH number: 235018
Item number: 76820
Region: United States

Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Contact information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state:	Liquid
Color:	Clear
Odor:	Slight

HEALTH:	2
FLAMMABILITY:	3
PHYSICAL HAZARD:	1
Personal Protection:	See MSDS Section 8

WARNING: FLAMMABLE!
POSSIBLE CANCER HAZARD.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF SWALLOWED OR INHALED.

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion

Potential Health Effects

Inhalation: May cause respiratory tract irritation. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.
Skin contact: May cause skin irritation. Redness.
Eye contact: Moderate eye irritation. Non-irritating. May cause corneal injury.
Ingestion: Not expected under normal conditions of use.

Existing conditions aggravated by exposure: None generally recognized.

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	%
Nitromethane	75-52-5	60 - 100
Toluene	108-88-3	5 - 10

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If symptoms persist, seek medical advice.

Skin contact: Wash with soap and water.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Ingestion: Do not induce vomiting. Drink 1-2 glasses of water, seek medical advice. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash point: 32 °C (89.6 °F) Closed cup

Autoignition temperature: Not available

Flammable/Explosive limits - lower: 7.3 %

Flammable/Explosive limits - upper: Not available

Extinguishing media: Carbon dioxide. Water spray mist or foam.

Special firefighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Unusual fire or explosion hazards: Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air.

Hazardous combustion products: Oxides of carbon. Oxides of nitrogen.

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: Remove all sources of ignition. Contain spill.

Clean-up methods: 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. Rinse spill area with water.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing.

Storage: Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

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
Nitromethane	20 ppm TWA	100 ppm (250 mg/m3) TWA	None	None
Toluene	20 ppm TWA	200 ppm TWA 300 ppm Ceiling 500 ppm MAX. CONC 10 minutes	None	None

Engineering controls: Ensure adequate ventilation. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.

Respiratory protection:	Use an organic vapor respirator for concentrations exceeding the Occupational Exposure Limit. Observe OSHA regulations for respiratory use (29 CFR 1910.134).
Eye/face protection:	Safety goggles or safety glasses with side shields.
Skin protection:	Use neoprene gloves and protective clothing as necessary to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Clear
Odor:	Slight
Odor threshold:	Not available
pH:	Not available
Vapor pressure:	25 mm Hg (20 °C (68°F))
Boiling point/range:	111 °C (231.8 °F) Approximately
Melting point/ range:	Not available
Specific gravity:	1.1
Vapor density:	2.1 (Air = 1)
Flash point:	32 °C (89.6 °F) Closed cup
Flammable/Explosive limits - lower:	7.3 %
Flammable/Explosive limits - upper:	Not available
Autoignition temperature:	Not available
Evaporation rate:	6 Approximately, (Ether = 1)
Solubility in water:	Slight
Partition coefficient (n-octanol/water):	Not available
VOC content:	100 %; 100 g/l EPA Method 24

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions.
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Not available
Incompatible materials:	Amines. Alkalis. Acids. Reducing agents. Metal oxides. Combustible materials.
Conditions to avoid:	Keep away from open flames, hot surfaces and sources of ignition.

11. TOXICOLOGICAL INFORMATION

Acute oral product toxicity: LD50 (rat) 940 mg/kg (Estimated)

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Nitromethane	Anticipated carcinogen.	Group 2B	No
Toluene	No	No	No

Hazardous components	Health Effects/Target Organs
Nitromethane	Blood, Bone Marrow, Irritant, Kidney, Liver, Nervous System, Reproductive, Some evidence of carcinogenicity
Toluene	Behavioral, Cardiac, Central nervous system, Developmental, Ear, Irritant

12. ECOLOGICAL INFORMATION

Ecological information: Not available

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.

14. TRANSPORT INFORMATION

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

Proper shipping name: Nitromethane
Hazard class or division: 3
Identification number: UN 1261
Packing group: II

International Air Transportation (ICAO/IATA)

Proper shipping name: Nitromethane
Hazard class or division: 3
Identification number: UN 1261
Packing group: II

Water Transportation (IMO/IMDG)

Proper shipping name: NITROMETHANE
Hazard class or division: 3
Identification number: UN 1261
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
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). Toluene (CAS# 108-88-3).

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

Prepared by: C.J. Michaels, Manager, Regulatory Affairs

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