



Revision Date: 10/03/2005

Issue date: 10/03/2005

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** X-NMS Clean Up Solvent for Instant Adhesive  
**Product type:** Solvent  
**Company address:**  
Henkel Corporation  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067

**Item No. :** 76820  
**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> |
|-----------------------------|----------|----------------------|--|--------------|
| Nitromethane<br>75-52-5     | 60-100   | 20 ppm TWA           | 100 ppm TWA<br>250 mg/m <sup>3</sup> TWA | None         |
| Toluene<br>108-88-3         | 5-10     | 50 ppm TWA<br>(skin) | 200 ppm TWA<br>300 ppm Ceiling           | None         |

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW****HMIS:**

**Physical state:** Liquid  
**Color:** Clear  
**Odor:** Slight

**HEALTH:** 2  
**FLAMMABILITY:** 3  
**PHYSICAL HAZARD:** 1  
**Personal Protection:** See 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. Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.  
**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.

See Section 11 for additional toxicological information.

#### 4. FIRST AID MEASURES

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | Remove to fresh air. If symptoms develop and persist, get medical attention.  |
| <b>Skin contact:</b> | Wash with soap and water.   |
| <b>Eye contact:</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.   |
| <b>Ingestion:</b>    | Do not induce vomiting. Drink 1 or 2 glasses of water. Obtain medical attention. Never give anything by mouth to an unconscious person. |

#### 5. FIRE-FIGHTING MEASURES

|  |  |
|--|--|
| <b>Flash point:</b>                        | 32°C (95°F) Closed cup   |
| <b>Autoignition temperature:</b>           | Not determined   |
| <b>Flammable/Explosive limits-lower %:</b> | 7.3  |
| <b>Flammable/Explosive limits-upper %:</b> | Not available  |
| <b>Extinguishing media:</b>                | Carbon dioxide (CO2). Foam. Water spray.   |
| <b>Special fire fighting procedures:</b>   | Wear self-contained breathing apparatus and protective suite.  |
| <b>Unusual fire or explosion hazards:</b>  | Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. |
| <b>Hazardous combustion products:</b>      | Oxides of carbon. Oxides of nitrogen.  |

#### 6. ACCIDENTAL RELEASE MEASURES

|                                   |  |
|-----------------------------------|--|
| <b>Environmental precautions:</b> | Remove sources of ignition. Contain spill.   |
| <b>Clean-up methods:</b>          | Soak up with inert absorbent. Store in a closed container until ready for disposal. Rinse spill area with water. |

#### 7. HANDLING AND STORAGE

|                               |  |
|-------------------------------|--|
| <b>Handling:</b>              | Avoid contact with eyes, skin and clothing.  |
| <b>Storage:</b>               | Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. |
| <b>Incompatible products:</b> | Not available  |

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

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                                |  |
|--------------------------------|--|
| <b>Engineering controls:</b>   | Ensure adequate ventilation. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits. |
| <b>Respiratory protection:</b> | Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respiratory use (29 CFR 1910.134).                                       |
| <b>Skin protection:</b>        | Cover as much of the exposed skin area as possible with appropriate clothing.  |
| <b>Eye/face protection:</b>    | Safety glasses with side-shields. Goggles.   |

Item No. : 76820

Product name: X-NMS Clean Up Solvent for Instant Adhesive

See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |  |
|--|--|
| Physical state:                          | Liquid                                 |
| Color:                                   | Clear                                  |
| Odor:                                    | Slight                                 |
| Vapor pressure:                          | 25 mmHg @20°C (68° F)                  |
| pH:                                      | Not applicable                         |
| Boiling point/range:                     | Approximately 111°C (214°F)            |
| Melting point/range:                     | Not available                          |
| Specific gravity:                        | 1.1                                    |
| Vapor density:                           | 2.1 (air equals 1)                     |
| Evaporation rate:                        | Approximately 6 (Ether = 1)            |
| Solubility in water:                     | 9%                                     |
| Partition coefficient (n-octanol/water): | Not available                          |
| VOC content:                             | 100%; 1100 grams/liter (EPA Method 24) |

## 10. STABILITY AND REACTIVITY

|                                   |   |
|-----------------------------------|---|
| Stability:                        | Stable at normal conditions   |
| Hazardous polymerization:         | Will not occur.   |
| Hazardous decomposition products: | None  |
| Incompatibility:                  | 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

|                        |  |
|------------------------|--|
| Product toxicity data: | Acute LD50 (oral): 940 (rat). (estimated). |
|------------------------|--|

### Carcinogen Status

| Hazardous components    | NTP Carcinogen     | IARC Carcinogen | OSHA Carcinogen |
|-------------------------|--------------------|-----------------|-----------------|
| Nitromethane<br>75-52-5 | Suspect carcinogen | Group 2B        | Yes             |
| Toluene<br>108-88-3     | No                 | No              | No              |

### Literature Referenced Target Organ & Other Health Effects

| Hazardous components    | Health Effects/Target Organs  |
|-------------------------|---|
| Nitromethane<br>75-52-5 | Blood, Bone Marrow, Irritant, Kidney, Liver, Nervous System, Reproductive, Some evidence of carcinogenicity |
| Toluene<br>108-88-3     | 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: | Dispose of in accordance with Federal, State and local regulations. |
|---------------------------------|---|

|                             |                  |
|-----------------------------|------------------|
| EPA hazardous waste number: | D001: Ignitable. |
|-----------------------------|------------------|

Item No. : 76820

Product name: X-NMS Clean Up Solvent for Instant Adhesive

## 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  
*Exceptions:* Consumer Commodity ORM-D (Not more than 1 Liter)

### International Air Transportation (ICAO/IATA):

Proper shipping name: Nitromethane (Forbidden)  
Hazard class or division: Forbidden  
Identification number: Forbidden  
Packing group: Forbidden

### WaterTransportation (IMO/IMDG):

Proper shipping name: Nitromethane  
Hazard class or division: 3  
Identification number: UN1261  
Packing group: II  
Marine pollutant: 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, Fire  
CERCLA/SARA 313: Toluene (CAS# 108-88-3).

California Proposition 65: This product contains a chemical known to the State of California to cause cancer and 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 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: 13

Prepared by: C.J. Michaels, Senior Product Safety & 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.