

# Material Safety Data Sheet



Revision Number: 001.1

Issue date: 12/10/2008

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Clean Up Solvent  
**Product type:** Solvent

**IDH number:** 234979  
**Item number:** 75326  
**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

**Physical state:** Liquid  
**Color:** Clear  
**Odor:** Mild, Amine-like

### HMIS:

**HEALTH:** 2  
**FLAMMABILITY:** 2  
**PHYSICAL HAZARD:** 0  
**Personal Protection:** See MSDS Section 8

**CAUTION:** COMBUSTIBLE LIQUID.  
CAUSES EYE IRRITATION.  
MAY CAUSE SKIN IRRITATION.

**Relevant routes of exposure:** Eyes, Skin

### Potential Health Effects

**Inhalation:** Not a hazard under normal conditions of use.  
**Skin contact:** Mild skin irritation. Prolonged or repeated contact has caused severe dermatitis including blisters, cracking, edema and redness.  
**Eye contact:** Moderate eye irritation.  
**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	%
N-Methyl-2-pyrrolidone	872-50-4	60 - 100

## 4. FIRST AID MEASURES

**Inhalation:** No specific treatment is necessary since material is not likely to be hazardous by inhalation. If symptoms develop and persist, get medical attention.

**Skin contact:** Wash with soap and water.

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

**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:	92.7 °C (198.86 °F) Closed cup
Autoignition temperature:	270 °C (518°F)
Flammable/Explosive limits - lower:	1.3 %
Flammable/Explosive limits - upper:	9.5 %
Extinguishing media:	Use dry chemical, water spray 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. 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 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
N-Methyl-2-pyrrolidone	None	None	10 ppm (40 mg/m <sup>3</sup> ) TWA (SKIN)	None

Engineering controls:	Ensure adequate ventilation. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
Respiratory protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s). 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:	Mild, Amine-like
Odor threshold:	Not available
pH:	7.2
Vapor pressure:	0.29 mm Hg (20 °C (68°F))
Boiling point/range:	202 °F (94.4 °C)
Melting point/ range:	-24.4 °C (-11.9 °F)
Specific gravity:	1.025 - 1.035 at 25 °C (77°F)
Vapor density:	Not available
Flash point:	92.7 °C (198.86 °F) Closed cup
Flammable/Explosive limits - lower:	1.3 %
Flammable/Explosive limits - upper:	9.5 %
Autoignition temperature:	270 °C (518°F)
Evaporation rate:	Not available
Solubility in water:	Miscible
Partition coefficient (n-octanol/water):	Not available
VOC content:	99 %; 1,028.9 g/l EPA Method 24

## 10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions.
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Oxides of carbon. Oxides of nitrogen.
Incompatible materials:	Strong oxidizing agents. Strong reducing agents.
Conditions to avoid:	None anticipated.

## 11. TOXICOLOGICAL INFORMATION

Product toxicity data:	Non-sensitizing to guinea pigs (1% v/v solution)., Non-sensitizing (Human RIPT - 15 applications)., Non-mutagenic (In-vivo and in-vitro).
Acute oral product toxicity:	LD50 (rat) 4,200 mg/kg
Acute dermal product toxicity:	LD50 (rat) 8,000 mg/kg
Acute inhalation product toxicity:	LC50 (rat) > 400 ppm

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
N-Methyl-2-pyrrolidone	No	No	No

Hazardous components	Health Effects/Target Organs
N-Methyl-2-pyrrolidone	Blood, Bone Marrow, Central nervous system, Immune system, Irritant, Lung

## 12. ECOLOGICAL INFORMATION

Ecological information:	Biodegradable. (Warburg Respiratory Method) Bluegill ( <i>Lepomis macrochirus</i> ) LC50 @ 22°C: 832mg/L Fathead minnow ( <i>Pimephales promelas</i> ) LC50 @ 22°C: 1,072mg/L Trout ( <i>Salmo gairdneri</i> ) LC50 @ 12°C: 3.048mg/L
-------------------------	---

### 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:** Not a RCRA hazardous waste.

### 14. TRANSPORT INFORMATION

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

**Proper shipping name:** Combustible liquid, n.o.s. (N-Methyl pyrrolidinone)  
**Hazard class or division:** Combustible Liquid  
**Identification number:** NA 1993  
**Packing group:** III  
**Exceptions:** Unrestricted, (Not more than 450 Liters)

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

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

#### Water Transportation (IMO/IMDG)

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** 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:** N-Methyl-2-pyrrolidone (CAS# 872-50-4).  
**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). N-Methyl-2-pyrrolidone (CAS# 872-50-4).  
**California Proposition 65:** 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:** B.3, D.2.B

### 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: First issue.

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

**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.