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**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** LOCTITE MR 11 E&C known as MOLD RELEASE MR-11 1.4LB QT **IDH number:** 1189028  
**Product type/use:** Mold Release  
**Restriction of Use:** None identified **Region:** United States  
**Company address:** Henkel Corporation **Contact information:** Telephone: +1 (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**

**DANGER:** HIGHLY FLAMMABLE LIQUID AND VAPOR.  
 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.  
 CAUSES SKIN IRRITATION.  
 CAUSES SERIOUS EYE IRRITATION.  
 MAY CAUSE DROWSINESS OR DIZZINESS.  
 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.  
 MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	2
SKIN IRRITATION	2
EYE IRRITATION	2A
REPRODUCTIVE TOXICITY	2
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	2
ASPIRATION HAZARD	1

**PICTOGRAM(S)**



**Precautionary Statements**

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames, hot surfaces - no smoking. Keep container tightly closed. No release into water. Use explosion-proof equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe vapors, mist, or spray. Wash affected area thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, clothing, eye and face protection.

**Response:** IF SWALLOWED: Immediately call a physician or poison control center. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. Do NOT induce vomiting. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

**Disposal:** Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
n-Hexane	110-54-3	30 - 60
3-methylpentane	96-14-0	10 - 30
Methylcyclopentane	96-37-7	10 - 30
Isohexane	107-83-5	5 - 10
2,3-dimethylbutane	79-29-8	0.1 - 1
Xylenes	1330-20-7	0.1 - 1
Ethylbenzene	100-41-4	0.1 - 1

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

### 4. FIRST AID MEASURES

**Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Skin contact:** Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

**Ingestion:** DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

**Symptoms:** See Section 11.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Water spray (fog), foam, dry chemical or carbon dioxide.

**Special firefighting procedures:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray.

**Unusual fire or explosion hazards:** Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

**Hazardous combustion products:**

Oxides of carbon. Toxic and irritating vapors.

## 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:**

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 material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Wash spillage site thoroughly with soap and water or detergent solution. Store in a partly filled, closed container until disposal.

## 7. HANDLING AND STORAGE

**Handling:**

Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed.

**Storage:**

For safe storage, store at or below 25 °C (77°F) Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Keep away from heat, spark and flame.

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 Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
n-Hexane	50 ppm TWA (SKIN)	500 ppm (1,800 mg/m <sup>3</sup> ) PEL	None	None
3-methylpentane	1,000 ppm STEL 500 ppm TWA	None	None	None
Methylcyclopentane	None	None	None	None
Isohexane	1,000 ppm STEL 500 ppm TWA	None	None	None
2,3-dimethylbutane	1,000 ppm STEL 500 ppm TWA	None	None	None
Xylenes	100 ppm TWA 150 ppm STEL	100 ppm (435 mg/m <sup>3</sup> ) PEL	None	None
Ethylbenzene	20 ppm TWA	100 ppm (435 mg/m <sup>3</sup> ) PEL	None	None

**Engineering controls:**

Provide adequate local exhaust ventilation to maintain worker exposure below 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. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

**Skin protection:**

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Hydrocarbon-like
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not applicable
<b>Vapor pressure:</b>	124 mm hg (20 °C (68°F))
<b>Boiling point/range:</b>	68.7 °C (155.7 °F)
<b>Melting point/ range:</b>	-95.3 °C (-139.5 °F)
<b>Specific gravity:</b>	0.68
<b>Vapor density:</b>	3.0 (Air = 1)
<b>Flash point:</b>	-4 °C (24.8 °F) Pensky Martens closed cup
<b>Flammable/Explosive limits - lower:</b>	1.1 %
<b>Flammable/Explosive limits - upper:</b>	7.5 %
<b>Autoignition temperature:</b>	511 °F (266.11 °C)
<b>Flammability:</b>	Not applicable
<b>Evaporation rate:</b>	16 (Butyl acetate = 1)
<b>Solubility in water:</b>	Slightly soluble
<b>Partition coefficient (n-octanol/water):</b>	3.9
<b>VOC content:</b>	646 g/l
<b>Viscosity:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of storage and use.
<b>Hazardous reactions:</b>	None under normal processing.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Toxic fumes. Irritating vapors.
<b>Incompatible materials:</b>	Strong oxidizing agents. Strong acids and strong bases.
<b>Reactivity:</b>	Not available.
<b>Conditions to avoid:</b>	Keep away from heat, ignition sources and incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

<b>Relevant routes of exposure:</b>	Skin, Inhalation, Eyes
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### Potential Health Effects/Symptoms

**Inhalation:** May cause respiratory tract irritation. May cause central nervous system effects with nausea, dizziness and headache.  
**Skin contact:** Causes skin irritation.  
**Eye contact:** Causes serious eye irritation. Redness. Tearing.  
**Ingestion:** May cause gastrointestinal tract irritation if swallowed. Aspirated material can enter lungs and cause damage.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
n-Hexane	Oral LD50 (Rat) = 28,710 mg/kg Dermal LD50 (Rabbit) = > 2,000 mg/kg	Developmental, Irritant, Lung, Nervous System, Reproductive
3-methylpentane	None	Blood, Cardiac, Central nervous system, Irritant, Kidney
Methylcyclopentane	None	Irritant, Nervous System
Isohexane	None	Irritant
2,3-dimethylbutane	None	No Data
Xylenes	Oral LD50 (Rat) = 6,670 mg/kg Oral LD50 (Rat) = 3,523 - 8,600 mg/kg Oral LD50 (Rat) = 4,300 mg/kg Dermal LD50 (Rabbit) = > 43 g/kg	Cardiac, Central nervous system, Irritant, Kidney, Liver
Ethylbenzene	Oral LD50 (Rat) = 5.46 g/kg Oral LD50 (Rat) = 3,500 mg/kg Dermal LD50 (Rabbit) = 17,800 mg/kg	Irritant, Central nervous system

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
n-Hexane	No	No	No
3-methylpentane	No	No	No
Methylcyclopentane	No	No	No
Isohexane	No	No	No
2,3-dimethylbutane	No	No	No
Xylenes	No	No	No
Ethylbenzene	No	Group 2B	No

## 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:** Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. D001: Ignitable. D018: Benzene (Check TCLP Level).

## 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

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

**Proper shipping name:** Hexanes solution  
**Hazard class or division:** 3  
**Identification number:** UN 1208  
**Packing group:** II  
**DOT Hazardous Substance(s):** Hexane, Xylene (mixed)

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

**Proper shipping name:** Hexanes solution  
**Hazard class or division:** 3  
**Identification number:** UN 1208  
**Packing group:** II

**Water Transportation (IMO/IMDG)**

**Proper shipping name:** HEXANES solution  
**Hazard class or division:** 3  
**Identification number:** UN 1208  
**Packing group:** II

**15. REGULATORY INFORMATION****United States Regulatory Information**

**TSCA 8 (b) Inventory Status:** All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.

**TSCA 12 (b) Export Notification:** None above reporting de minimis

**CERCLA/SARA Section 302 EHS:** None above reporting de minimis.  
**CERCLA/SARA Section 311/312:** Fire, Immediate Health, Delayed Health  
**CERCLA/SARA Section 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-Hexane (CAS# 110-54-3). Ethylbenzene (CAS# 100-41-4).  
**CERCLA Reportable quantity:** n-Hexane (CAS# 110-54-3) 5,000 lbs. (2,270 kg)  
3-methylpentane (CAS# 96-14-0) 100 lbs. (45.4 kg)  
Methylcyclopentane (CAS# 96-37-7) 100 lbs. (45.4 kg)  
Isohexane (CAS# 107-83-5) 100 lbs. (45.4 kg)  
2,3-dimethylbutane (CAS# 79-29-8) 100 lbs. (45.4 kg)  
Xylenes (CAS# 1330-20-7) 100 lbs. (45.4 kg)

**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:** Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.

**16. OTHER INFORMATION**

**This safety data sheet contains changes from the previous version in sections:** 2,3,13,15

**Prepared by:** Product Safety and Regulatory Affairs

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