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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Moly Dry Film Lubricant	Item No. : 39895 / IDH No. 226675
Product type: Lubricant	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.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
Methyl ethyl ketone 78-93-3	10-30	200 ppm TWA 300 ppm STEL	200 ppm TWA 590 mg/m ³ TWA	None
Butane 106-97-8	10-30	1000 ppm TWA	800 ppm TWA	None
Propane 74-98-6	10-30	1000 ppm TWA	1000 ppm TWA 1800 mg/m ³ TWA	None
1,2,4-Trimethylbenzene 95-63-6	1-5	25 ppm TWA	None	None
Light aromatic solvent naphtha 64742-95-6	1-5	None	None	50 ppm
Graphite 7782-42-5	1-5	2 mg/m ³ TWA all forms except graphite fibers	15 mg/m ³ (total), 5 mg/m ³ (respirable)	None
Dimethyl, diphenyl, methyl, phenyl silicone resin 28630-33-3	1-5	None	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Aerosol
Color: Colorless
Odor: Acetone

HMIS:

HEALTH: 1
FLAMMABILITY: 4
PHYSICAL HAZARD: 2
Personal Protection: See Section 8

DANGER: EXTREMELY FLAMMABLE.
CONTENTS UNDER PRESSURE.
VAPOR MAY CAUSE FLASH FIRE
MAY BE HARMFUL IF SWALLOWED OR INHALED.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: Mild respiratory tract irritation. Coughing. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation. May cause central nervous system depression, blurred vision, cardiac injury, blood and bone marrow damage, and reversible liver and kidney damage.

Skin contact: May be harmful if absorbed through skin. Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.
Eye contact: Mild eye irritation.
Ingestion: May be harmful if swallowed.

Existing conditions aggravated by exposure: Skin disorders.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If discomfort persists seek medical attention.
Skin contact: Wash with soap and water. Get medical attention if symptoms develop and persist. If high pressure forces the product under the skin get immediate medical attention.
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. Get medical attention immediately.
Notes to physician: None.

5. FIRE-FIGHTING MEASURES

Flash point: -42°C (-44°F) to -35°C (-31°F) (estimated)
Autoignition temperature: Not determined
Flammable/Explosive limits-lower %: 1.1% @ 100°C
Flammable/Explosive limits-upper %: 14% @ 150°C
Extinguishing media: Dry chemical.
Special fire fighting procedures: Use water spray to keep fire exposed containers cool.
Unusual fire or explosion hazards: Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.
Hazardous combustion products: None known.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: No special environmental precautions required.
Clean-up methods: Remove all ignition sources. Immediately contact emergency personnel. Keep unnecessary personnel away.

7. HANDLING AND STORAGE

Handling: Keep away from heat, spark and flame. Do not breathe mist or vapors. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not puncture or incinerate containers. Vapors will accumulate readily and may ignite explosively.
Storage: Store in a segregated and approved area. Keep in a cool, well ventilated area. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst.
Incompatible products: None.

For information on product shelf life contact Henkel 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.

Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s). 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: Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Aerosol
Color: Colorless
Odor: Acetone
Vapor pressure: Not available
pH: Not applicable
Boiling point/range: Not available
Melting point/range: Not available
Specific gravity: 0.72
Vapor density: Not available
Evaporation rate: Not available
Solubility in water: Slightly soluble
Partition coefficient (n-octanol/water): Not determined
VOC content: 49.72%; 357 grams/liter (calculated)

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: No data available

Incompatibility: Oxidizing agents. Acids.

Conditions to avoid: Not determined

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Acetone 67-64-1	No	No	No
Methyl ethyl ketone 78-93-3	No	No	No
Butane 106-97-8	No	No	No
Propane 74-98-6	No	No	No
1,2,4-Trimethylbenzene 95-63-6	No	No	No
Light aromatic solvent naphtha 64742-95-6	No	No	No
Graphite 7782-42-5	No	No	No
Dimethyl, diphenyl, methyl, phenyl silicone resin 28630-33-3	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Acetone 67-64-1	Blood, Central nervous system, Irritant, Reproductive
Methyl ethyl ketone 78-93-3	Central nervous system, Irritant
Butane 106-97-8	Cardiac, Central nervous system, Irritant
Propane 74-98-6	Cardiac, Central nervous system, Irritant
1,2,4-Trimethylbenzene 95-63-6	Central nervous system, Irritant, Respiratory
Light aromatic solvent naphtha 64742-95-6	Irritant
Graphite 7782-42-5	Lung
Dimethyl, diphenyl, methyl, phenyl silicone resin 28630-33-3	No Records

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental 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: None
Exceptions: (Not more than 1 Liter) Consumer Commodity ORM-D
Marine pollutant: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN1950
Packing group: None
Exceptions: (Not more than 500 ml) May Qualify as Consumer Commodity ID8000

WaterTransportation (IMO/IMDG):

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN1950
Packing group: None
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 above reporting de minimus.
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard
CERCLA/SARA 313: 1,2,4-Trimethylbenzene (CAS# 95-63-6).

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/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: 2, 11, 15

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

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