



A CSW Industrials Company

# SAFETY DATA SHEET

Issuing Date 19-Dec-2014

Revision Date 14-Mar-2017

Revision Number 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

Product Name MOLY MIST™ (Bulk)

### Other means of identification

Product Code(s) 160

UN-Number UN1993

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use Lubricants, Greases and Release Products

Uses advised against No information available

### Supplier's details

#### **Manufacturer Address**

Jet-Lube, LLC  
930 Whitmore Dr.  
Rockwall, Texas 75087  
TEL: 972-771-1000  
Toll Free: 1-800-669-6318

### Emergency telephone number

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)  
1-800-424-9300 (NORTH AMERICA)

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Skin Sensitization	Category 1
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 3
Aspiration Toxicity	Category 1
Flammable liquids	Category 1

### GHS Label elements, including precautionary statements

#### Emergency Overview

Signal Word Danger

**Hazard Statements**

- Causes skin irritation
- Causes serious eye irritation
- May cause an allergic skin reaction
- May cause drowsiness or dizziness
- May be fatal if swallowed and enters airways
- 
- Extremely flammable liquid and vapor

**Appearance** Black**Physical State** Liquid.**Odor** Etheryl**Precautionary Statements****Prevention**

- Wash face, hands and any exposed skin thoroughly after handling.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Contaminated work clothing should not be allowed out of the workplace.
- Use only outdoors or in a well-ventilated area.
- Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting/equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Keep cool.

**General Advice**

- Specific treatment (see supplemental first aid instructions on this label)

**Eyes**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.

**Skin**

- If skin irritation or rash occurs: Get medical advice/attention.
- Wash contaminated clothing before reuse.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

**Inhalation**

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Call a POISON CENTER or doctor/physician if you feel unwell.

**Ingestion**

- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- Do NOT induce vomiting.

**Fire**

- In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

**Storage**

- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.

**Disposal**

- Dispose of contents/container to an approved waste disposal plant.

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**Other information**

Harmful to aquatic life with long lasting effects

10.7% of the mixture consists of ingredient(s) of unknown toxicity.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %	Trade secret
Acetone	67-64-1	40-45	*
Methyl ethyl ketone	78-93-3	20-25	*
Xylenes (o-, m-, p- isomers)	1330-20-7	10-15	*
Bisphenol A - Epichlorohydrin polymer	25068-38-6	10-15	*
Molybdenum (IV) sulfide	1317-33-5	5-10	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****Description of necessary first-aid measures**

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Inhalation</b>	Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Clean mouth with water and afterwards drink plenty of water. Consult a physician.
<b>Protection of First-aiders</b>	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**Most important symptoms/effects, acute and delayed****Most Important Symptoms/Effects** Itching Rashes Drowsiness. Dizziness.**Indication of immediate medical attention and special treatment needed, if necessary****Notes to Physician** Treat symptomatically.**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** No information available.**Specific Hazards Arising from the Chemical**

Keep product and empty container away from heat and sources of ignition.

**Explosion Data****Sensitivity to Mechanical Impact** None.**Sensitivity to Static Discharge** Yes.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Ensure adequate ventilation. Remove all sources of ignition. Do not touch damaged packages or spilled material. Refer to Section 8 for personal protective equipment.

**Environmental Precautions**

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas. Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. See Section 12 for additional Ecological Information.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Take up with inert, damp, noncombustible material using clean non-sparking tools and place into loosely plastic containers for later disposal

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Do not breathe vapors or spray mist. Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep in properly labeled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep product and empty container away from heat and sources of ignition

**Incompatible Products** Strong oxidizing agents. Strong acids.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm	IDLH: 2500 ppm 10% LEL TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>
Methyl ethyl ketone 78-93-3	STEL: 300 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 590 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 590 mg/m <sup>3</sup> (vacated) STEL: 300 ppm (vacated) STEL: 885 mg/m <sup>3</sup>	IDLH: 3000 ppm TWA: 200 ppm TWA: 590 mg/m <sup>3</sup> STEL: 300 ppm STEL: 885 mg/m <sup>3</sup>

Xylenes (o-, m-, p- isomers) 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m <sup>3</sup>	-
Molybdenum (IV) sulfide 1317-33-5	TWA: 10 mg/m <sup>3</sup> Mo inhalable fraction TWA: 3 mg/m <sup>3</sup> Mo respirable fraction	TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 10 mg/m <sup>3</sup> Mo	IDLH: 5000 mg/m <sup>3</sup> Mo

*Immediately Dangerous to Life or Health. ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH:*

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

### Appropriate engineering controls

**Engineering Measures** Showers. Eyewash stations. Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Safety glasses with side-shields.  
**Skin and Body Protection** Wear protective gloves/clothing.  
**Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene Measures** When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Appearance</b>	Black
<b>Odor</b>	Etheryl	<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
<b>pH</b>	Neutral	None known
<b>Melting Point/Range</b>	-95 °C	None known
<b>Boiling Point/Boiling Range</b>	-18--162 °C	None known
<b>Flash Point</b>	> -20 °C	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limits in Air</b>		
upper flammability limit	No data available	
lower flammability limit	No data available	
<b>Vapor Pressure</b>	No data available	None known
<b>Vapor Density</b>	No data available	None known
<b>Specific Gravity</b>	0.85	None known
<b>Water Solubility</b>	Partly soluble	None known
<b>Solubility in other solvents</b>	Partial (acetone).	None known
<b>Partition coefficient: n-octanol/water</b>	No data available	None known
<b>Autoignition Temperature</b>	No data available	None known
<b>Decomposition Temperature</b>	No data available	None known
<b>Viscosity</b>	No data available	None known

**Flammable Properties** Not flammable

**Explosive Properties** No data available  
**Oxidizing Properties** No data available

### Other information

**POC Content (%)** No data available

VOC (g/l) 314

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

Heat, flames and sparks. Incompatible products.

### Incompatible materials

Strong oxidizing agents. Strong acids.

### Hazardous decomposition products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

##### **Inhalation**

Vapors may irritate throat and respiratory system. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

##### **Eye Contact**

Causes serious eye irritation.

##### **Skin Contact**

Repeated exposure may cause skin dryness or cracking. Causes skin irritation. May cause allergic skin reaction

##### **Ingestion**

Potential for aspiration if swallowed. May be fatal if swallowed and enters airways.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Acetone	= 5800 mg/kg ( Rat )	1700mg/kg (rabbit)	18892 mg/m <sup>3</sup>
Methyl ethyl ketone	= 2737 mg/kg ( Rat )	= 6480 mg/kg ( Rabbit )	23500 mg/m <sup>3</sup>
Xylenes (o-, m-, p- isomers)	= 4300 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	>5.04 mg/L ( Rat ) 4 h = 5000 ppm ( Rat ) 4 h
Bisphenol A - Epichlorohydrin polymer	11400 mg/kg ( Rat )	-	-
Molybdenum (IV) sulfide	-	-	> 2820 mg/m <sup>3</sup> ( Rat ) 4 h

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### **Skin corrosion/irritation**

Repeated exposure may cause skin dryness or cracking

#### **Eye damage/irritation**

Irritating to eyes.

#### **Sensitization**

May cause sensitization of susceptible persons. May cause an allergic skin reaction.

**Mutagenic Effects** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Xylenes (o-, m-, p- isomers)	A4	Group 3	-	-

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A4 - Not Classifiable as a Human Carcinogen

**IARC: (International Agency for Research on Cancer)**

Group 3 - Not Classifiable as to its Carcinogenicity to Humans

**Reproductive Toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Target Organ Effects** Central nervous system (CNS).  
**Aspiration Hazard** May be fatal if swallowed and enters airways

**Numerical measures of toxicity - Product****Acute Toxicity** 10.7% of the mixture consists of ingredient(s) of unknown toxicity.*The following values are calculated based on chapter 3.1 of the GHS document:***LD50 Oral** 4490 mg/kg; Acute toxicity estimate**LD50 Dermal** 8639 mg/kg; Acute toxicity estimate**Inhalation****gas** 36203**dust/mist** 12.1 mg/L; Acute toxicity estimate**Vapor** 88 mg/L; Acute toxicity estimate**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Harmful to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Acetone 67-64-1		LC50 96 h: 4.74 - 6.33 mL/L (Oncorhynchus mykiss) LC50 96 h: 6210 - 8120 mg/L static (Pimephales promelas) LC50 96 h: = 8300 mg/L (Lepomis macrochirus)	EC50 = 14500 mg/L 15 min	EC50 48 h: 10294 - 17704 mg/L Static (Daphnia magna) EC50 48 h: 12600 - 12700 mg/L (Daphnia magna)
Methyl ethyl ketone 78-93-3		LC50 96 h: 3130-3320 mg/L flow-through (Pimephales promelas)	EC50 = 3403 mg/L 30 min EC50 = 3426 mg/L 5 min	EC50 48 h: 4025 - 6440 mg/L Static (Daphnia magna) EC50 48 h: = 5091 mg/L (Daphnia magna) EC50 48 h: > 520 mg/L (Daphnia magna)
Xylenes (o-, m-, p- isomers) 1330-20-7	EC50 72 h: = 11 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 8 mg/L (Rainbow trout)		EC50 48 h: = 3.82 mg/L (water flea)

**Persistence and Degradability** No information available.**Bioaccumulation**

Chemical Name	Log Pow
Acetone	-0.24
Methyl ethyl ketone	0.29
Xylenes (o-, m-, p- isomers)	3.15

**Other Adverse Effects**

No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations

**Contaminated Packaging** Do not re-use empty containers.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Acetone - 67-64-1		Included in waste stream: F039		U002
Methyl ethyl ketone - 78-93-3	waste number U159	Included in waste streams: F005, F039	= 200.0 mg/L regulatory level	U159
Xylenes (o-, m-, p- isomers) - 1330-20-7		Included in waste stream: F039		U239

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Acetone	Ignitable
Methyl ethyl ketone	Toxic Ignitable
Xylenes (o-, m-, p- isomers)	Toxic Ignitable

### 14. TRANSPORT INFORMATION

#### DOT

**UN-Number** UN1993  
**Proper shipping name** Flammable liquids, n.o.s.  
**Hazard Class** 3  
**Packing Group** II  
**Reportable Quantity (RQ)** Xylenes isomers and mixture: RQ kg= 409.01, Acetone: RQ kg= 5353.77  
**Description** UN1993, Flammable liquids, n.o.s. (Acetone, Methyl ethyl ketone), 3, II, RQ  
**Emergency Response Guide Number** 128

#### TDG

**UN-Number** UN1993  
**Proper Shipping Name** Flammable liquid, n.o.s.  
**Hazard Class** 3  
**Packing Group** II  
**Description** UN1993, Flammable liquid, n.o.s. (Acetone, Methyl ethyl ketone), 3, II

#### MEX

**UN-Number** UN1993  
**Proper Shipping Name** Flammable liquids, n.o.s.  
**Hazard Class** 3  
**Packing Group** II  
**Description** UN1993, Flammable liquids, n.o.s. (Acetone, Methyl ethyl ketone), 3, II

#### ICAO

**UN-Number** UN1993  
**Proper shipping name** Flammable liquid, n.o.s.  
**Hazard Class** 3  
**Packing Group** II  
**Description** UN1993, Flammable liquid, n.o.s., 3, II

#### IATA

**UN-Number** UN1993  
**Proper Shipping Name** Flammable liquid, n.o.s.  
**Hazard Class** 3  
**Packing Group** II  
**ERG Code** 3H  
**Description** UN1993, Flammable liquid, n.o.s. (Acetone, Methyl ethyl ketone), 3, II



**IMDG/IMO**

UN-Number UN1993  
 Proper Shipping Name Flammable liquid, n.o.s.  
 Hazard Class 3  
 Packing Group II  
 EmS No. F-E, S-E  
 Description UN1993, Flammable liquid, n.o.s. (Acetone, Methyl ethyl ketone), 3, II, (-20°C c.c.)

**RID**

UN-Number UN1993  
 Proper Shipping Name Flammable liquid, n.o.s.  
 Hazard Class 3  
 Packing Group II  
 Classification Code F1  
 Description UN1993, Flammable liquid, n.o.s. (Acetone, Methyl ethyl ketone), 3, II

**ADR**

UN-Number UN1993  
 Proper Shipping Name Flammable liquid, n.o.s.  
 Hazard Class 3  
 Packing Group II  
 Classification Code F1  
 Tunnel Restriction Code (D/E)  
 Description UN1993, Flammable liquid, n.o.s. (Acetone, Methyl ethyl ketone), 3, II, (D/E)  
 ADR/RID-Labels 3

**ADN**

Proper Shipping Name Flammable liquid, n.o.s.  
 Hazard Class 3  
 Packing Group II  
 Classification Code F1  
 Special Provisions 274, 601, 640D  
 Description UN1993, Flammable liquid, n.o.s. (Acetone, Methyl ethyl ketone), 3, II  
 Limited Quantity 1 L  
 Ventilation VE01

<b>15. REGULATORY INFORMATION</b>
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**International Inventories****Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Xylenes (o-, m-, p- isomers)	1330-20-7	10-15	1.0

**SARA 311/312 Hazard Categories**

Acute Health Hazard Yes  
 Chronic Health Hazard No  
 Fire Hazard Yes  
 Sudden Release of Pressure Hazard No  
 Reactive Hazard No

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances

Xylenes (o-, m-, p- isomers)	100 lb			X
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**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Acetone	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Methyl ethyl ketone	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Xylenes (o-, m-, p- isomers)	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Acetone	X	X	X		X
Methyl ethyl ketone	X	X	X	X	X
Xylenes (o-, m-, p- isomers)	X	X	X	X	X
Molybdenum (IV) sulfide		X			

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. OTHER INFORMATION**

<b>NFPA</b>	Health Hazard 2	Flammability 4	Instability 0	Physical and Chemical Hazards -
<b>HMIS</b>	Health Hazard 2	Flammability 4	Physical Hazard 0	Personal Protection X

**Prepared By** Product Stewardship  
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Latham, NY 12110  
1-800-572-6501

**Issuing Date** 19-Dec-2014  
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**Revision Note** Updated company information.

**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**