



A CSW Industrials Company

SAFETY DATA SHEET

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NGHS / English



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1. IDENTIFICATION

Product identifier

Product Name MOLY MIST (Bulk)™

Other means of identification

Product Code(s) WPS-JLI-094

Recommended use of the chemical and restrictions on use

Recommended Use Lubricants, Greases and Release Products

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Identification Jet-Lube of Canada Ltd.

Address Jet-Lube of Canada Ltd.
3820 - 97 Street NW
Edmonton, AB. Canada
T6E 5S8

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

2. HAZARDS IDENTIFICATION

Classification

| | |
|-------------------------------------|-------------|
| Acute toxicity - Inhalation (Gases) | Category 4 |
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2A |



| | |
|--|------------|
| Specific target organ toxicity (single exposure) | Category 3 |
| Flammable liquids | Category 2 |

Appearance Black**Physical state** Liquid**Odor** Ether**GHS Label elements, including precautionary statements****Danger****Hazard statements**

Harmful if inhaled
 Causes skin irritation
 Causes serious eye irritation
 May cause drowsiness or dizziness
 Highly flammable liquid and vapor

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area
 Wash face, hands and any exposed skin thoroughly after handling
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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/eye protection/face protection
 Keep cool

Precautionary Statements - Response

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

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing
 Call a POISON CENTER or doctor if you feel unwell

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Fire

In case of fire: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Storage

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

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

May be harmful if swallowed May be harmful in contact with skin Harmful to aquatic life with long lasting effects Harmful to aquatic life

Unknown acute toxicity 88.9 % of the mixture consists of ingredient(s) of unknown toxicity

19.6 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

62 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

88.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

64.2 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

44.3 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

| Chemical name | CAS-No | Percent | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|-----------------------------|-----------|---------|--|---|
| Acetone | 67-64-1 | 41 - 46 | - | - |
| Methyl ethyl ketone | 78-93-3 | 23 - 27 | - | - |
| Xylenes (o-, m-, p-isomers) | 1330-20-7 | 9 - 13 | - | - |
| Molybdenum (IV) sulfide | 1317-33-5 | 5-10 | - | - |
| Isopropyl alcohol | 67-63-0 | 1 - 5 | - | - |

4. FIRST AID MEASURES

First aid measures

General advice

Show this safety data sheet to the doctor in attendance.

Inhalation

Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

Ingestion

Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Self-protection of the first aider

Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use



personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists.

Most important symptoms and effects, both acute and delayed

Symptoms Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Coughing and/ or wheezing. Difficulty in breathing.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO₂). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Hazardous Combustion Products Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Yes.

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Avoid breathing vapors or mists.

Other Information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

| | |
|--|--|
| Methods for cleaning up | Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. |
| Prevention of secondary hazards | Clean contaminated objects and areas thoroughly observing environmental regulations. |

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

| 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 ³ (vacated) TWA: 1800 mg/m ³ (vacated) TWA: 750 ppm (vacated) STEL: 1000 ppm (vacated) STEL: 2400 mg/m ³ | IDLH: 2500 ppm 10% LEL TWA: 250 ppm TWA: 590 mg/m ³ |
| Methyl ethyl ketone 78-93-3 | STEL: 300 ppm TWA: 200 ppm | TWA: 200 ppm TWA: 590 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 590 mg/m ³ (vacated) STEL: 300 ppm (vacated) STEL: 885 mg/m ³ | IDLH: 3000 ppm TWA: 200 ppm TWA: 590 mg/m ³ STEL: 300 ppm STEL: 885 mg/m ³ |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | STEL: 150 ppm TWA: 100 ppm | TWA: 100 ppm TWA: 435 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m ³ | |
| Molybdenum (IV) sulfide 1317-33-5 | TWA: 10 mg/m ³ Mo inhalable particulate matter TWA: 3 mg/m ³ Mo respirable | TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ Mo | IDLH: 5000 mg/m ³ Mo |

| Chemical name | Alberta | British Columbia | Ontario TWAEV | Quebec |
|--|--|---|---|---|
| Isopropyl alcohol 67-63-0 | particulate matter STEL: 400 ppm TWA: 200 ppm | TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³ | IDLH: 2000 ppm 10% LEL TWA: 980 mg/m ³ TWA: 400 ppm STEL: 500 ppm STEL: 1225 mg/m ³ | |
| Acetone 67-64-1 | TWA: 500 ppm TWA: 1200 mg/m ³ STEL: 750 ppm STEL: 1800 mg/m ³ | TWA: 250 ppm STEL: 500 ppm | TWA: 500 ppm STEL: 750 ppm | TWA: 500 ppm TWA: 1190 mg/m ³ STEL: 1000 ppm STEL: 2380 mg/m ³ |
| Methyl ethyl ketone 78-93-3 | TWA: 200 ppm TWA: 590 mg/m ³ STEL: 300 ppm STEL: 885 mg/m ³ | TWA: 50 ppm STEL: 100 ppm | TWA: 200 ppm STEL: 300 ppm | TWA: 50 ppm TWA: 150 mg/m ³ STEL: 100 ppm STEL: 300 mg/m ³ |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | TWA: 100 ppm TWA: 434 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³ | TWA: 100 ppm STEL: 150 ppm | TWA: 100 ppm STEL: 150 ppm | TWA: 100 ppm TWA: 434 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³ |
| Molybdenum (IV) sulfide 1317-33-5 | TWA: 10 mg/m ³ TWA: 3 mg/m ³ | TWA: 3 mg/m ³ TWA: 10 mg/m ³ | TWA: 10 mg/m ³ TWA: 3 mg/m ³ | TWA: 10 mg/m ³ |
| Isopropyl alcohol 67-63-0 | TWA: 200 ppm TWA: 492 mg/m ³ STEL: 400 ppm STEL: 984 mg/m ³ | TWA: 200 ppm STEL: 400 ppm | TWA: 200 ppm STEL: 400 ppm | TWA: 400 ppm TWA: 985 mg/m ³ STEL: 500 ppm STEL: 1230 mg/m ³ |

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 controls**

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Tight sealing safety goggles.

Hand protection

Wear suitable gloves. Impervious gloves.

Skin and body protection

Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.
Antistatic boots.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

| | |
|----------------|--------|
| Physical state | Liquid |
| Appearance | Black |
| Odor | Ether |



| | | |
|--|--------------------------|------------------------------|
| Color | No information available | |
| Odor Threshold | No information available | |
| <u>Property</u> | <u>Values</u> | <u>Remarks Method</u> |
| pH | 7 | |
| Melting / freezing point | -95 °C | None known |
| Boiling point / boiling range | -18--162 °C | None known |
| Flash Point | > -20 °C | |
| Evaporation Rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limit in Air | | None known |
| Upper flammability limit | No data available | |
| Lower flammability limit | No data available | |
| Vapor pressure | No data available | None known |
| Vapor density | No data available | None known |
| Relative density | 0.85 | |
| Water Solubility | Partially soluble | |
| Solubility(ies) | No data available | None known |
| Partition coefficient: n-octanol/water | Not Applicable | |
| Autoignition temperature | No data available | None known |
| Decomposition temperature | No data available | None known |
| Kinematic viscosity | No data available | None known |
| Dynamic viscosity | No data available | None known |
| Explosive properties | No information available | |
| Oxidizing properties | No information available | |
| <u>Other Information</u> | | |
| Softening Point | No information available | |
| Molecular Weight | No information available | |
| VOC Content (%) | No information available | |
| 314 | | |
| Liquid Density | No information available | |
| Bulk Density | No information available | |
| Particle Size | No information available | |
| Particle Size Distribution | No information available | |

10. STABILITY AND REACTIVITY

| | |
|---|--|
| Reactivity | No information available. |
| Chemical stability | Stable under normal conditions. |
| Possibility of Hazardous Reactions | None under normal processing. |
| Hazardous Polymerization | Hazardous polymerization does not occur. |
| Conditions to avoid | Heat, flames and sparks. Excessive heat. |
| Incompatible materials | Strong acids. Strong bases. Strong oxidizing agents. |
| Hazardous Decomposition Products | Carbon oxides. |

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|---|
| Inhalation | Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness. Harmful by inhalation. (based on components). |
| Eye contact | Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). Causes serious eye irritation. |
| Skin contact | Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components). |
| Ingestion | Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

Information on toxicological effects

| | |
|-----------------|---|
| Symptoms | Redness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Coughing and/ or wheezing. |
|-----------------|---|

Numerical measures of toxicity**Acute Toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

| | |
|--------------------------------------|----------------|
| ATEmix (oral) | 3,721.00 mg/kg |
| ATEmix (dermal) | 2,440.00 mg/kg |
| ATEmix (inhalation-gas) | 4,500.00 mg/L |
| ATEmix (inhalation-dust/mist) | 7.09 mg/L |
| ATEmix (inhalation-vapor) | 21.00 mg/L |

| | |
|-------------------------------|--|
| Unknown acute toxicity | 88.9 % of the mixture consists of ingredient(s) of unknown toxicity |
| | 19.6 % of the mixture consists of ingredient(s) of unknown acute oral toxicity |
| | 62 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity |
| | 88.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas) |
| | 64.2 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor) |
| | 44.3 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist) |

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|------------------------------|----------------------|---|---|
| Acetone | = 5800 mg/kg (Rat) | - | = 50100 mg/m ³ (Rat) 8 h |
| Methyl ethyl ketone | = 2737 mg/kg (Rat) | = 6480 mg/kg (Rabbit) | 23500 mg/m ³ |
| Xylenes (o-, m-, p- isomers) | = 3500 mg/kg (Rat) | > 4350 mg/kg (Rabbit) > 1700 mg/kg (Rabbit) | = 29.08 mg/L (Rat) 4 h = 5000 ppm (Rat) 4 h |
| Molybdenum (IV) sulfide | - | - | > 2820 mg/m ³ (Rat) 4 h |
| Isopropyl alcohol | = 1870 mg/kg (Rat) | = 4059 mg/kg (Rabbit) | = 72600 mg/m ³ (Rat) 4 h |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|--|---|
| Skin corrosion/irritation | Classification based on data available for ingredients. Irritating to skin. |
| Serious eye damage/eye irritation | Classification based on data available for ingredients. Irritating to eyes. |
| Respiratory or skin sensitization | No information available. |
| Germ cell mutagenicity | No information available. |
| Carcinogenicity | Classification based on individual ingredients of the mixture. |

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) 1330-20-7 | - | Group 3 | - | - |
| Isopropyl alcohol 67-63-0 | - | Group 3 | - | X |

Legend

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity No information available.

STOT - single exposure May cause drowsiness or dizziness.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Chemical name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|-----------------------------|--|--|---|---|
| Acetone | - | 96h LC50: 4.74 - 6.33 mL/L (Oncorhynchus mykiss) 96h LC50: 6210 - 8120 mg/L (Pimephales promelas) 96h LC50: = 8300 mg/L (Lepomis macrochirus) | EC50 = 14500 mg/L 15 min | 48h EC50: 10294 - 17704 mg/L 48h EC50: 12600 - 12700 mg/L |
| Methyl ethyl ketone | - | 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) | EC50 72 h: = 11 mg/L (Pseudokirchneriella subcapitata) | LC50 96 h: = 13.4 mg/L flow-through (Pimephales promelas) LC50 96 h: 2.661 - 4.093 mg/L static (Oncorhynchus mykiss) LC50 96 h: 13.5 - 17.3 mg/L (Oncorhynchus mykiss) LC50 96 h: 13.1 - 16.5 mg/L flow-through (Lepomis macrochirus) LC50 96 h: = 19 mg/L (Lepomis macrochirus) LC50 96 h: 7.711 - 9.591 mg/L static (Lepomis macrochirus) LC50 96 h: 23.53 - 29.97 mg/L static | EC50 = 0.0084 mg/L 24 h | EC50 48 h: = 3.82 mg/L (water flea) LC50 48 h: = 0.6 mg/L (Gammarus lacustris) |

| | | | | |
|-------------------|--|---|---|------------------------|
| | | (Pimephales promelas) LC50 96 h: = 780 mg/L semi-static (Cyprinus carpio) LC50 96 h: > 780 mg/L (Cyprinus carpio) LC50 96 h: 30.26 - 40.75 mg/L static (Poecilia reticulata) | | |
| Isopropyl alcohol | 96h EC50: > 1000 mg/L (Desmodesmus subspicatus) 72h EC50: > 1000 mg/L (Desmodesmus subspicatus) | 96h LC50: > 1400000 µg/L (Lepomis macrochirus) 96h LC50: = 11130 mg/L (Pimephales promelas) 96h LC50: = 9640 mg/L (Pimephales promelas) | - | 48h EC50: = 13299 mg/L |

Persistence and Degradability No information available.

Bioaccumulation

| Chemical name | Log Pow |
|------------------------------|-------------|
| Acetone | -0.24 |
| Methyl ethyl ketone | 0.29 |
| Xylenes (o-, m-, p- isomers) | 2.77 - 3.15 |
| Isopropyl alcohol | 0.05 |

Mobility No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

US EPA Waste Number D001 D035 U239 U002 U159

California Hazardous Waste Codes 331

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 67-64-1 | Ignitable |
| Methyl ethyl ketone 78-93-3 | Toxic Ignitable |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | Toxic Ignitable |
| Isopropyl alcohol 67-63-0 | Toxic Ignitable |

| |
|----------------------------------|
| 14. TRANSPORT INFORMATION |
|----------------------------------|

DOT

| | |
|---|---|
| UN-No. | UN1993 |
| Proper Shipping Name | Flammable liquids, n.o.s. |
| Hazard Class | 3 |
| Packing Group | II |
| Reportable Quantity (RQ) (RQ/% in mixture) | Xylenes isomers and mixture: RQ kg= 409.01, Acetone: RQ kg= 5353.77 |
| Description | UN1224, KETONES, LIQUID, N.O.S. (ACETONE, MOLYBDENUM (IV) SULFIDE), 3, II |
| Emergency Response Guide Number | 128 |

TDG

| | |
|-----------------------------|--|
| UN-No. | 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-No. | 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-No. | 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-No. | UN1993 |
| Proper Shipping Name | Flammable liquid, n.o.s. |
| Hazard Class | 3 |
| Packing Group | II |
| ERG Code | 3L |
| Description | UN1993, Flammable liquid, n.o.s. (Acetone, Methyl ethyl ketone), 3, II |

IMDG/IMO

| | |
|-----------------------------|--|
| UN-No. | 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-No. | 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/RID-Labels | 3 |

ADR

| | |
|-------------------------|---|
| UN-No. | 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

| | |
|----------------------|--|
| UN-No. | UN1224 |
| 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 |
| Hazard Labels | 3 |
| Limited Quantity | 1 L |
| Ventilation | VE01 |

| |
|-----------------------------------|
| 15. REGULATORY INFORMATION |
|-----------------------------------|

Safety, health and environmental regulations/legislation specific for the substance or mixture**International Regulations**

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

| | |
|---------------|---|
| TSCA | Contact supplier for inventory compliance status. |
| DSL/NDSL | Complies. |
| EINECS/ELINCS | Complies. |
| ENCS | Not determined. |
| KECL | Not determined. |
| PICCS | Not determined. |
| AICS | Not determined. |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances

US Federal Regulations**SARA 313**

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 | Percent | SARA 313 - Threshold |
|---------------|--------|---------|----------------------|
|---------------|--------|---------|----------------------|



| | | | Values % |
|--|-----------|--------|----------|
| Xylenes (o-, m-, p- isomers) - 1330-20-7 | 1330-20-7 | 9 - 13 | 1.0 |
| Isopropyl alcohol - 67-63-0 | 67-63-0 | 1 - 5 | 1.0 |

| | |
|--|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | No |
| Fire Hazard | Yes |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (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) 1330-20-7 | 100 lb | | | X |

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 67-64-1 | 5000 lb | | RQ= 2270 kg final RQ RQ= 5000 lb final RQ |
| Methyl ethyl ketone 78-93-3 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | 100 lb | | RQ 100 lb final RQ RQ 45.4 kg final RQ |

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product may contain substances regulated by state right-to-know regulations.

| Chemical name | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|---|------------|---------------|--------------|--------------|----------|
| Acetone 67-64-1 | X | X | X | X | |
| Methyl ethyl ketone 78-93-3 | X | X | X | X | X |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | X | X | X | X | X |
| Molybdenum (IV) sulfide 1317-33-5 | | X | | | |
| Isopropyl alcohol 67-63-0 | X | X | X | X | |

16. OTHER INFORMATION

| | | | | |
|-------------|-------------------------|-----------------------|---------------------------|---|
| NFPA | Health hazards 2 | Flammability 4 | Instability 0 | Physical and Chemical Properties - |
| HMS | Health hazards 2 | Flammability 4 | Physical hazards 0 | Personal Protection X |

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Disclaimer

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End of Safety Data Sheet