WECHEM Engineered Chemistries Superior Solutions

SDS

Moly- D

SDS Number: A299A

Revision Date: 10/18/2022

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer
Wechem, Inc
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Harahan, LA 70123

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Product Identifier: Moly- D
SDS Number: A299A
Product Code: A299
Revision Date: 10/18/2022
Product Use: Film Lubricant & Coating

Emergency Telephone Number:
INFOTRAC
1-800-535-5053

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Flammable Aerosols, 1
Physical, Gases Under Pressure, Liquefied Gas
Health, Aspiration hazard, 1
Health, Skin corrosion/irritation, 2
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Specific target organ toxicity - Single exposure, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:

GHS Hazard Statements:

H222 - Extremely flammable aerosol
H280 - Contains gas under pressure; may explode if heated
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness

GHS Precautionary Statements:

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P211 - Do not spray on an open flame or other igntion source.
P251 - Pressurized container: Do not pierce or burn, even after use.
P260 - Do not breathe gas.
P264 - Wash thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308+313 - IF exposed or concerned: Get medical advice/attention.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P321 - Specific treatment (see this label).
P331 - Do NOT induce vomiting.
P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.
P337 - If eye irritation persists: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.
P403+233 - Store in a well ventilated place. Keep container tightly closed.
P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Ingestion,Inhalation, skin absorption, eye

Inhalation: May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.

Skin Contact: May cause an allergic skin reaction.

Eye Contact: Causes serious eye irritation.

Ingestion: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:

CAS#	%	Chemical Name:
67-64-1	25-35%	Acetone
74-98-6	15-25%	Propane
67-63-0	10-20%	Isopropanol
79-20-9	10-20%	Methyl acetate
106-97-8	5-10%	Butane

4 FIRST AID MEASURES

Inhalation: Move to fresh air.

Skin Contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention.

Eye Contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention.

Ingestion: Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and delayed:
No data available.

Indication of immediate medical attention and special treatment needed:
No data available.

5 FIRE FIGHTING MEASURES

Flammability: Extremely Flammable

Flash Point: < 0 F (liquid portion)

General Fire Hazards: Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

Suitable (and unsuitable) extinguishing media:
Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: Vapors may travel considerable distance to a source of ignition and flash back.

Special protective equipment and precautions for firefighters
Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

Methods and material for containment and cleaning up:
Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

Notification Procedures: Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.

Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer.

7 HANDLING AND STORAGE

Handling Precautions:

Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Exposures to temperatures above 120 F may cause bursting. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid contact with skin.

Keep out of reach of children.

Storage Requirements:

Level 3 Aerosol (NFPA 30B)

Store locked up in a cool, dry place. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Keep out of reach of children.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

General information: Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process
enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable
level. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment:

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin Protection
Hand Protection: No data available.
Other: Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

Respiratory Protection: When respiratory protection is required use an organic vapor cartridge. A respiratory program that meets OSHA's 29CFR 1910.34 & ANSI Z288.2 requiremens must be followed.

Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Avoid contac with eyes. When using do not smoke. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash contaminated clothing before reuse. Avoid contact with skin.

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Butane (106-97-8)	REL	800 ppm 1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards(2005)
	STEL	1,000 ppm	US. ACGIH Threshold Limit Values (03 2018)
	TWA	800 ppm 1,900 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Acetone (67-64-1)	STEL	1,000 ppm 2,400 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	PEL	1,000 ppm 2,400 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	250 ppm	US. ACGIH Threshold Limit Values (03 2015)
	TWA	750 ppm 1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	500 ppm	US. ACGIH Threshold Limit Values (03 2015)
	REL	250 ppm 590 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
Propane (74-98-6)	REL	1,000 ppm 1,800 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	1,000 ppm 1,800 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	1,000 ppm 1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Isopropanol (67-63-0)	STEL	500 ppm 1,225 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	200 ppm	US. ACGIH Threshold Limit Values (2008)
	REL	400 ppm 980 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	400 ppm 980 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	400 ppm 980 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	400 ppm	US. ACGIH Threshold Limit Values (2008)
	STEL	500 ppm 1,225 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Coarse Aerosol Spray		
Physical State:	Liquid	**Odor:**	Solvent
Spec Grav./Density:	0.80	**Solubility:**	Insoluble in water
Vapor Pressure:	Not available	**Flash Point:**	< 0 F (liquid portion)
pH:	Not available	**Vapor Density:**	Not available
		VOC:	95% wt.

10 STABILITY AND REACTIVITY

Reactivity: Under normal conditions of storage and use, hazardous reactions will not occur.
Chemical Stability: Material is stable under normal conditions.
Conditions to Avoid: High temperatures, open flames, sparks, welding.

Materials to Avoid: Acids and strong oxidizers.
Hazardous Decomposition: Carbon monoxide and Carbon dioxide. Vapors may ignite at temperatures exceeding flash point.
Hazardous Polymerization: Does not occur.

11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:
Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Symptoms related to the physical, chemical and toxicological characteristics:
Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available
.
Ingestion: No data available.

Information on toxicological effects
Acute toxicity (list all possible routes of exposure)
Oral
Product: Not classified for acute toxicity based on available data.
Specified substance(s):

Acetone (67-64-1)	LD 50 (Rat): 5,800 mg/kg
Isopropanol (67-63-0)	LD 50 (Rat): 5.84 g/kg

Dermal
Product: Not classified for acute toxicity based on available data.
Specified substance(s):

Acetone (67-64-1)	LD 50 (Rabbit): > 7,426 mg/kg
Isopropanol (67-63-0)	LD 50: > 2,000 mg/kg

Inhalation
Repeated dose toxicity

Product: No data available.
Specified substance(s):

Butane (106-97-8)	LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study
Acetone	NOAEL (Rat(Male), Oral, 13 Weeks): 10,000 ppm(m) Oral Experimental

(67-64-1)	result, Key study
Propane (74-98-6)	NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study
Isopropanol (67-63-0)	NOAEL (Rat, Inhalation, >= 104 Weeks): 5,000 ppm(m) Inhalation Experimental result, Key study

Skin Corrosion/Irritation

Product:	No data available.
Specified substance(s):	
Acetone (67-64-1)	in vivo (Rabbit): Not irritant Experimental result, Supporting study
Isopropanol (67-63-0)	in vivo (Rabbit): Not Classified Experimental result, Key study

Serious Eye Damage/Eye Irritation

Product:	No data available.
Specified substance(s):	
Acetone (67-64-1)	Irritating. Rabbit, 24 hrs: Minimum grade of severe eye irritant
Isopropanol (67-63-0)	Rabbit, 1 d: Category 2: Causes serious eye irritation

Respiratory or Skin Sensitization

Product:	No data available.
Specified substance(s):	
Acetone (67-64-1)	Skin sensitization:, in vivo (Guinea pig): Non sensitising
Isopropanol (67-63-0)	Skin sensitization:, in vivo (Guinea pig): Non sensitising

Carcinogenicity

Product:	No data available.

US. National Toxicology Program (NTP) Report on Carcinogens:
No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):
No carcinogenic components identified

Germ Cell Mutagenicity
In vitro

Product:	No data available.

In vivo

Product:	No data available.

Reproductive toxicity

Product:	No data available.

Specific Target Organ Toxicity - Single Exposure
Product: No data available.
Specified substance(s):
Acetone (67-64-1) — Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects.

Aspiration Hazard
Product: No data available.
Specified substance(s):
Other effects: No data available.

12 ECOLOGICAL INFORMATION

Ecotoxicity:
Acute hazards to the aquatic environment:
Fish
Product: No data available.
Specified substance(s):

Butane (106-97-8)	LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
Acetone (67-64-1)	LC 50 (Oncorhynchus mykiss, 96 h): 5,540 mg/l Experimental result, Key study
Propane (74-98-6)	LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
Isopropanol (67-63-0)	LC 50 (Pimephales promelas, 96 h): 9,640 mg/l Experimental result, Key study

Aquatic Invertebrates
Product: No data available.
Specified substance(s):

Butane (106-97-8)	LC 50 (Daphnia sp., 48 h): 69.43 mg/l QSAR QSAR, Key study
Acetone (67-64-1)	LC 50 (Daphnia pulex, 48 h): 8,800 mg/l Experimental result, Key study
Isopropanol (67-63-0)	LC 50 (Daphnia magna, 24 h): > 10,000 mg/l Experimental result, Key study

Aquatic Invertebrates
Product: No data available.
Specified substance(s):

Acetone (67-64-1)	LOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study NOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study

Toxicity to Aquatic Plants
Product: No data available.

Persistence and Degradability
Biodegradation
Product: No data available.
Specified substance(s):

Butane (106-97-8)	100 % (385.5 h) Detected in water. Experimental result, Key study
Acetone (67-64-1)	90.9 % (28 d) Detected in water. Experimental result, Key study
Propane (74-98-6)	100 % (385.5 h) Detected in water. Experimental result, Key study 50 % (3.19 d) Detected in water. QSAR, Weight of Evidence study
Isopropanol (67-63-0)	53 % (5 d) Detected in water. Experimental result, Key study

BOD/COD Ratio
Product: No data available.

Bioaccumulative potential
Bioconcentration Factor (BCF)
Product: No data available.
Specified substance(s):

Acetone (67-64-1)	Haddock, adult, Bioconcentration Factor (BCF): 0.69 Aquatic sediment Experimental result, Not specified

Mobility in soil: No data available.
Known or predicted distribution to environmental compartments

Butane (106-97-8)	No data available.
Acetone (67-64-1)	No data available.
Propane (74-98-6)	No data available.
Isopropanol (67-63-0)	No data available.

Other adverse effects: Harmful to aquatic life with long lasting effects.

13 DISPOSAL CONSIDERATIONS

Disposal instructions: Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated Packaging: No data available.

14 TRANSPORT INFORMATION

DOT

UN Number:	UN 1950
UN Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es)	
Class:	2.1
Label(s):	-
Packing Group:	II
Marine Pollutant:	No
Environmental Hazards:	No
Marine Pollutant	No
Special precautions for user:	Not regulated.

IMDG

UN Number:	UN 1950
UN Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es)	
Class:	2.1
Label(s):	-
Packing Group:	---
Environmental Hazards:	No
Marine Pollutant	No
Special precautions for user:	Not regulated.

IATA

UN Number:	UN 1950
Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es):	
Class:	2.1
Label(s):	-
Packing Group:	-

15 REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[25-35%] RQ(5000LBS), Acetone (67-64-1) CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, TOXICRCRA, TSCA, TXAIR, TXHWL

[15-25%] Propane (74-98-6) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

[10-20%] Isopropanol (67-63-0) MASS, NJHS, NRC, OSHAWAC, PA, TSCA, TXAIR

[10-20%] Methyl acetate (79-20-9) HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

[5-10%] Butane (106-97-8) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend

RQ = Reportable Quantity
CERCLA = Superfund clean up substance
HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances

OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
TXHWL = TX Hazardous Waste List
NRC = Nationally Recognized Carcinogens

16 OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.
N/A = Not available N/D = Not determined

Revision Date: 10/18/2022