

SECTION 1: PRODUCT AND COMPANY INFORMATION

Product Name:	Val-Sol Dry Moly Lubricant
Supplier:	ValCool, LLC 5230 Brittmoore Rd Houston, TX 77041
Telephone:	(800) 244-9004
Fax:	(888) 695-6449
Email:	support@valcool.com
In case of Emergency:	CHEMTREC 800-424-9300
Product Description	Dry lubricant containing moly

SECTION 2: HAZARD IDENTIFICATION

GHS Classification

Flammable aerosol – 1
Gas under pressure – Liquefied gas
Skin Corrosion/Irritation – 2
Eye Damage/Irritation – 2

GHS Label

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictogram



Signal word Danger

Hazard Statement Extremely flammable aerosol
Contains gas under pressure: may explode if heated
Causes skin irritation

Precautionary statements

Prevention Keep away from heat/sparks/open flames/hot surfaces – No smoking
Do not spray on an open flame or other ignition source.
Pressurized container – Do not pierce or burn, even after use
Wash hands thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Response Specific treatment (see ... on this label)
Take off contaminated clothing and wash before reuse
IF ON SKIN: Wash with soap and water
IF IN EYES: Rinse continuously with water for several minutes. Remove



Name: Val-Sol Dry Moly Lubricant
Revision Date: 6/21/2018 – R1

ValCool, LLC
 5230 Brittmoore Rd
 Houston, TX 77041

contact lenses if present and easy to do – continue rinsing
 If skin irritation occurs: Get medical advice/attention
 If eye irritation persists: Get medical advice/attention
 Storage Protect from sunlight. Store in a well ventilated place
 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Components/Ingredients	CAS No.	%
Acetone	67-64-1	42%
2-Butanone, Methyl Ethyl Ketone	78-93-3	20%
Propane	74-98-8	11.6%
Butane	106-97-8	11.4%
Isopropyl Alcohol	67-63-0	9.8%
Molybdenum Disulfide	1317-33-5	2.3%

SECTION 4: FIRST AID MEASURES

Eye Contact Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention.

Skin Contact Wipe off with a towel. Wash with soap and water. Get medical attention if irritation persists.

Ingestion Do not induce vomiting. Not a likely route of exposure.

Inhalation Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

Information for doctor:

Most important symptoms/effects, acute and delayed Repeated exposure may cause skin dryness or cracking. May cause drowsiness or dizziness.

Description of necessary first aid measures / specific treatments None Known.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media

Suitable extinguishing agents Foam, Alcohol foam, CO2, Dry chemical, Water fog.

Unsuitable Extinguishing Media Water spray may be ineffective.

Special hazards arising from the substance or mixture Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Liquid content of container will support combustion. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention. Hazardous decomposition products include carbon dioxide, carbon monoxide, and other toxic fumes.

Special Fire Fighting Instructions

Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. Wear goggles and use self-contained breathing apparatus. If water is used, fog nozzles are preferred.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures

Avoid breathing vapors. Ventilate area. Remove all sources of ignition.

Methods and materials for containment and cleaning up

Clean up with absorbent material and place in closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Handling

Precautions for safe handling Do not puncture or incinerate (burn) cans. Do not stick pins, nails, or any other sharp objects into opening on top of can. Do not spray in eyes. Do not take internally. See product label for additional information.

Storage

Requirements to be met by storerooms and receptacles Store and use in cool, dry, well-ventilated areas. Do not store above 120 F.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Control parameters

Components with limit values that require monitoring at the workplace

Acetone 67-64-1
OSHA PEL-TWA: 750 ppm
ACGIH TLV-TWA: 500 ppm; TLV-STEL: 300 ppm

2-Butanone, Methyl Ethyl Ketone 78-93-3
OSHA PEL-TWA: 200 ppm; PEL-Ceiling: Not determined
ACGIH TWA: TLV-TWA: 200 ppm; TLV-STEL: 300 ppm

Propane 74-98-6
OSHA Not established
ACGIH TWA: 1000 ppm

Butane 106-97-8
OSHA Not established
ACGIH TWA: 1000 ppm

Isopropyl Alcohol 67-63-0
OSHA PEL-TWA: 400 ppm; PEL-Ceiling: Not determined
ACGIH TWA: TLV-TWA: 200 ppm; TLV-STEL: 400 ppm

Molybdenum Disulfide 1317-33-5

Exposure controls

Engineering Controls

Ventilation should be sufficient to prevent inhalation of any vapors. General dilution and/or local exhaust ventilation in volume to keep PEL/TLV of most hazardous ingredient below acceptable limit and IEL below stated limit.

Personal protective equipment

Eye / Face Protection



None under normal use. However, use of safety glasses with splash guards or full face shield should be used if indicated.

Hand Protection



Protective Gloves

None under normal use. Use solvent-resistant for prolonged or repeated contact.



Name: Val-Sol Dry Moly Lubricant
Revision Date: 6/21/2018 – R1

ValCool, LLC
5230 Brittmoore Rd
Houston, TX 77041

Respiratory Protection None under normal use. Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use an approved air-line respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

Other protective clothing or equipment None under normal use. However, use of solvent-resistant aprons or other clothing is recommended. Eye washes and safety showers in the workplace are recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Aerosol product
Form	Liquid
Vapor Pressure	Not determined
Vapor Density	Heavier than air
Density	Not determined
Freezing Point	Not determined
Boiling Point	Not determined
Evaporation Rate	Slower than ether
Explosive Limits	Not applicable
Autoignition Limits	Not determined
Viscosity	Not determined
Odor	Solvent
Odor Threshold	Not determined
pH	Not applicable
Melting Point	Not determined
Solubility	Not determined
Flash Point	Not determined
Flammability	Level 3 Aerosol
Partition coefficient (n-octanol/water)	Not determined
Decomposition Temperature	Not determined

SECTION 10: STABILITY AND REACTIVITY



Name: Val-Sol Dry Moly Lubricant
Revision Date: 6/21/2018 – R1

ValCool, LLC
5230 Brittmoore Rd
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Reactivity	Not reactive under normal conditions of use.
Chemical Stability	Stable under normal storage and handling conditions.
Possibility of hazardous reactions	Not known.
Incompatibility with other Materials	Acids, Bases, Strong oxidizing agents
Hazardous decomposition materials	Carbon dioxide, carbon monoxide, and other toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Long-term toxicological studies have not been conducted for this product.

SECTION 12: ECOLOGICAL INFORMATION

Long-term ecological studies have not been conducted for this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations. Before attempting clean up, refer to other sections of this document for hazard cautionary information.

SECTION 14: TRANSPORT INFORMATION

By Land	DOT Proper Shipping Name: None required per 49 CFR 173.306(i) for products that conform to the Limited Quantity provisions. Commodity shipping description: Paint, NOI
By Water	DOT & IMDG Proper Shipping Name: UN1950, Aerosols, 2.1, LTD QTY
By Air	DOT & IATA Proper Shipping Name: UN1950, Aerosols, flammable, 2.1, LTD QTY (packing instruction Y203 applies)

SECTION 15: REGULATORY INFORMATION

All ingredients are either listed on the TSCA inventory or are exempt.

SECTION 16: OTHER INFORMATION



Name: Val-Sol Dry Moly Lubricant
Revision Date: 6/21/2018 – R1

ValCool, LLC
5230 Brittmoore Rd
Houston, TX 77041

Revision Date: 1/25/2018 - 1

HMIS:

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