

Victaulic® VL001

(Safety Data Sheet)



05.11-MX

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product name : VL001
Synonyms : Not applicable
Product type : Lubricant

1.2. Intended Use of The Product

Use of the substance/preparation : Lubricant
Uses advised against : Avoid generating dust during processing of this product; sufficient concentration of fine dust dispersed in air and in the presence of an ignition source may pose a potential hazard.

1.3. Name, Address, And Telephone of The Responsible Party Company

Victaulic Company
4901 Kesslersville Road
Easton, PA 18045
USA
+1 (610) 559-3300
web: www.victaulic.com

1.4. Emergency telephone numbers: 24-Hour Emergency Contact

Emergency number : Call CHEMTREC at 1-800-424-9300 (U.S.)

SECTION 2: HAZARDS IDENTIFICATION

As supplied to our Customers, Victaulic® VL001 is a solid film lubricant. Manufacture and/or cleaning may result in a release of dust from the product. This SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. Classification of the mixture in accordance with the Harmonized System for the Identification and Communication of Hazards and Risks due to Hazardous Chemical Substances in the Workplace, NOM-018-STPS-2015.

2.1. Classification of the Substance or Mixture

Classification (GHS-US) : Acute Toxicity – Inhalation (Category 4)
Signal Word : Warning
Hazard Statement(s) : H332 Harmful if inhaled.

Hazard Pictogram(s) :



Precautionary Statement(s) : P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P271 Use in well-ventilated area
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304+P312 IF INHALED: Call a POISON CENTER/DOCTOR if you feel unwell.

Other hazards that do not contribute to the classification : Combustible Dust - May form combustible dust concentrations in air (during processing)



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Name	CAS No.	Weight % (w/w)
Molybdenum (IV) sulfide	1317-33-5	5-10%*
Ethylene glycol monobutyl ether	111-76-2	1-5%*

* The exact percentage (concentration) of composition has been withheld as confidential business information.

SECTION 4: DESCRIPTION OF FIRST AID MEASURES

4.1. Description of first aid measures

Eye contact	: Rinse eyes with plenty of water. Remove contacts, if applicable, and continue flushing with water for several minutes occasionally lifting the upper and lower eyelids. If redness or irritation occurs, contact a physician.
Skin contact	: Wash off with plenty of water. If skin irritation develops and persists or recurs, contact a physician.
Inhalation	: If product is inhaled, move person to fresh air and keep at rest in a comfortable position. Consult a poison center or doctor/physician if person feels unwell.
Ingestion	: If product is ingested, rinse mouth with water. Consult a physician if person feels unwell.
Note to physicians	: Treat symptomatically.

4.2. Most important symptoms and effects, both acute and delayed

During application of this product using high volume, low pressure (HVLV) spray devices, droplets, spray and/or mist may form. Inhalation of these droplets, spray and/or mist may cause acute respiratory effects in some individuals, including harm to the lungs and impaired respiratory function.

Excessive inhalation exposures to particulates may cause acute and delayed respiratory effects in some individuals, including sneezing, coughing, shortness of breath and reduced lung function.

4.3 Indication of any immediate medical attention and special treatment needed

If respiratory effects occur, move person to fresh air and keep at rest in a comfortable position. Consult a physician or poison center.

SECTION 5: FIREFIGHTING MEASURES

5.1 Fire and explosion hazards

Avoid dust generation. Product is not flammable, but dust may be combustible in specific concentrations.

5.2. Extinguishing media

Suitable extinguishing media : Water, dry chemical fire extinguishers, carbon dioxide fire extinguishers. Use low-pressure streams to avoid dust generation.

Unsuitable extinguishing media : None known.

5.3. Special hazards arising from the substance or mixture

Hazardous Combustion Products : Sulfur oxides, Molybdenum oxides.

5.4. Advice for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing (includes fire-fighting helmet, coat, trousers, boots and gloves). If protective clothing is not available or not used, fight fire from a protected location or safe distance.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment, and emergency procedures

During accidental release, ensure adequate ventilation and wear appropriate personal protective equipment. Use respiratory protection. Avoid breathing dust, droplets, spray and/or mist of this product. Wear safety glasses with side shields, chemical splash goggles or face shield. Impervious gloves are recommended when using this product, as well as clothing suitable to prevent skin contact.

6.1.1. Emergency Procedures

Avoid use of compressed air to prevent dispersal of dust. Take precautionary measures against static discharge. Remove all sources of ignition. Use only non-sparking tools.

6.2. Methods and material for containment and cleaning up

Prevent dust formation. Promptly vacuum up dust and collect in suitable containers for disposal.

6.3. Environmental precautions

Keep away from drainage, surface and groundwater.

6.4. Reference to other sections

Follow safe handling practices as prescribed in Section 7. Use protective equipment as prescribed in Section 8. Dispose of in accordance with Section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid inhalation of this product. Respiratory protection recommended in manufacturing when dust is present. Use only in well ventilated areas when dust is present. Wear appropriate personal protective equipment. Wash hands after handling. See Section 8 for exposure guidelines.

Use work methods that minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. No smoking, open flame or sources of ignition in handling and storage area.

7.2. Conditions for safe storage, including any incompatibilities

Store away from incompatible materials. Keep container tightly closed in a dry and well-ventilated place. Follow safe handling practices as prescribed in Section 7. 1.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<i>Substance name</i>	<i>CAS No.</i>	<i>VLE PPT</i>	<i>VLE-CT or VLE-P</i>	<i>BEI</i>	<i>Carcinogen</i>
Molybdenum (IV) sulfide, powder	1317-33-5	Not established	Not established	Not established	Not applicable
Ethylene glycol monobutyl ether	111-76-2	20 ppm	Not established	200 mg/g creatinine Butoxyacetic acid (BAA) in urine, with hydrolysis	A3
Insoluble articles or slightly soluble not otherwise specified	Not applicable	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)	Not established	Not established	Not applicable

A3: Confirmed carcinogen in animals with unknown relevance for humans.

VLE-PPT, VLE-CT and VLE-P Per Table 1.1: Occupational Limit Values of Pollutant Chemical Substances, codified in Official Mexican Standard NOM-010-STPS-2014.

BEI Per Table 1: Occupation Biological Exposure Indices, codified in Official Mexican Standard NOM-047-SSA1-2011.

8.2. Exposure controls

- Engineering controls : Avoid unnecessary dust exposures. Provide adequate ventilation to maintain exposure levels below applicable limits and to prevent accumulation of combustible dust concentrations.
- Eye / Face protection : Wear safety glasses with side shields, chemical splash goggles or face shield during product use.
- Skin protection : Wear appropriate gloves and protective clothing during product use.
- Respiratory protection : Where airborne concentrations of dust, droplets, spray and/or mist are expected to exceed the allowable exposures, a respirator should be worn, chosen based on the form and concentration of the contaminant. Respirator usage must be in accordance with the Personal Protective Equipment Mexican Standards PROY-NOM-017-STPS-2017 and NOM-116-STPS-2009.
- General hygiene considerations : Wash hands thoroughly after product use. Have eyewash facilities immediately available. Do not eat, drink or smoke when using this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	: Viscous liquid
Odor	: Characteristic of water-based paints
Odor threshold	: No data
pH (25°C)	: Not applicable
Flash Point (°F)	: Not applicable
Vapor Pressure(mm Hg)	: Not applicable
Vapor Density	: Not applicable
Solubility in water	: Dispersible in water
Autoignition temperature	: No data
Partition Coefficient: n-octanol/water	: No data
Explosive Properties	: No data
Viscosity	: Not applicable
Density (25°C)	: 1.03 g/mL
Boiling Point	: Not applicable
Boiling Range	: Not applicable
Freezing/melting point	: Not applicable
Relative density (SG)	: 1.03
Evaporation Rate	: Not applicable
Upper Flammability or Explosive Limit (UEL)	: Not applicable
Lower Flammability or Explosive Limit (LEL)	: Not applicable
Decomposition Temperature (°F)	: No data
Flammability (solid, gas)	: No data
Oxidizing Properties	: No data
Molecular Weight	: Not applicable for a mixture

9.2. Other information

VOC content	: None known
Minimum Ignition Temperature	: 480°C

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid contact with hydrogen peroxide, potassium nitrate and strong oxidizing agents. Avoid exposure to extreme heat or open flame.

10.5. Incompatible materials

Hydrogen peroxide, potassium nitrate and strong oxidizing agents.

10.6. Hazardous decomposition products

Sulfur oxides, Molybdenum oxides, Carbon monoxide (CO), Carbon dioxide (CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on likely routes of exposure

Inhalation exposure to dust, droplets, spray and/or mist of the product may irritate the respiratory system.

11.2. Description of the delayed, immediate, or chronic effects from short- and long-term exposure:

Excessive inhalation exposures to dust, droplets, spray and/or mist of the product may cause acute and delayed respiratory effects in some individuals, including sneezing, coughing, shortness of breath, and reduced lung function.

11.3. Description of symptoms:

Eyes	: Particulates may cause eye irritation.
Skin	: Mechanical abrasion may cause irritation.
Inhalation	: May be harmful if inhaled.
Ingestion	: May cause discomfort if swallowed. However, ingestion is unlikely to be a primary route of occupational exposure.

11.4. Information on toxicological effects:

Acute toxicity : No data were identified for this product. See component toxicity.

Component toxicity

: Molybdenum (IV) sulfide

Inhalation LC50

LC50 Inhalation - rat - 4 h - > 2,820 mg/m³

Remarks: Lungs, Thorax, or Respiration: Other changes.

Oral LD50

LD50 Oral - rat - > 2,000 mg/kg

Dermal LD50

LD50 Dermal – rat - > 2,000 mg/kg

Ethylene glycol monobutyl ether

Inhalation LC50: 3 mg/L

Oral LD50

LD50 Oral – guinea pig - 1,400 mg/kg

Dermal LD50

LD50 Dermal – rat – 2,000 mg/kg

Skin irritation/corrosion : No data were identified for this product or its constituents.

Eye irritation/corrosion : No data were identified for this product or its constituents.

Respiratory or skin sensitization : No data were identified for this product or its constituents.

Germ cell mutagenicity : No data were identified for this product or its constituents.

Carcinogenicity : No data were identified for this product or its constituents.

Reproductive and developmental toxicity : No data were identified for this product or its constituents.

Specific target organ toxicity – Single exposure (STOT-SE) : No data were identified for this product or its constituents.

Specific target organ toxicity – Repeated exposure (STOT-RE) : No data were identified for this product or its constituents.

Aspiration hazard : No data were identified for this product or its constituents.

Neurological effects : No data were identified for this product or its constituents.

Interactions with other chemicals which enhance toxicity : No data were identified for this product or its constituents.

SECTION 12: ECOLOGICAL INFORMATION

Where mixture data is not available, individual component toxicity has been used (i.e., Trade Secret Component).

12.1. Toxicity

No specific test data available for the mixture.

12.2. Persistence and degradability

No specific test data available for the mixture.

12.3. Bioaccumulative potential

No data for product.

12.4. Mobility in soil

No specific test data available for the mixture.

12.5. Other adverse effects

No data for product.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Prevent the entry of the product into sewers and aquatic environments.

Responsibility for proper waste disposal is with the owner of the waste. Dispose of contents in accordance with local, state, and federal regulations.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

Not regulated for transport.

14.2. UN proper shipping name

Not regulated for transport.

14.3. Transport hazard class(es)

Not regulated for transport.

14.4. Packing group

Not regulated for transport.

14.5. Environmental hazards

Not regulated for transport.

14.6. Special precautions for user

See Sections 6 to 8 of this SDS.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC

Not regulated for transport.

SECTION 15: REGULATORY INFORMATION**Safety, health, and environmental regulations/legislation specific for the substance or mixture.****Exposure Controls:**

Chemical name	CAS No.	VLE-PPT	VLE-CT or VLE-P	BEI
Molybdenum (IV) sulfide, powder	1317-33-5	Not established	Not established	Not established
Ethylene glycol monobutyl ether	111-76-2	20 ppm	Not established	200 mg/g creatinine

VLE-PPT, VLE-CT and VLE-P Per Table 1.1: Occupational Limit Values of Pollutant Chemical Substances, codified in Official Mexican Standard NOM-010-STPS-2014.

BEI Per Table 1: Occupation Biological Exposure Indices, codified in Official Mexican Standard NOM-047-SSA1-2011.

Hazardous Substances in the Workplace codified in Official Mexican Standard NOM-028-STPS-2012:

No data were identified for this product or its constituents.

List of Substances Most Commonly Transported codified in Official Mexican Standard NOM-002-SCT/2011:

No data were identified for this product or its constituents.

Workplace Fire Safety codified in Official Mexican Standard NOM-002-STPS-2010:

No flammable hazardous ingredients were identified for this product or its constituents.

Safe Storage of Hazardous Substances in the Workplace codified in Official Mexican Standard NOM-005-STPS-1998:

No.

Dispose of all waste product and containers in accordance with local regulations.

SECTION 16: OTHER INFORMATION**Abbreviations:**

BEI	: Biological Exposure Indices
CAS	: Chemical Abstracts Service Registry Number
CO	: Carbon Monoxide
CO2	: Carbon Dioxide
GHS	: Globally Harmonized System of Classification and Labeling
HVLP	: High Volume Low Pressure
IBC	: Intermediate Bulk Container
LC50	: Lethal Concentration 50
LEL	: Lower Explosive Limit
mg/kg	: Milligram per Kilogram
mm Hg	: Millimeters of Mercury
N/A	: Not Applicable
SCBA	: Self-Contained Breathing Apparatus
SDS	: Safety Data Sheet
UEL	: Upper Explosive Limit
UN	: United Nations
VLE-CT	: Short Term Exposure Limit Value
VLE-P	: Peak Exposure Limit Value
VLE-PPT	: Time-Weighted Average Exposure Limit Value
VOC	: Volatile organic compound
w/w	: Weight per weight

05.11-MX Rev A 12/14/2020

Notice

This document has been prepared in accordance with the SDS requirements of the Harmonized System for the Identification and Communication of Hazards and Risks due to Hazardous Chemical Substances in the Workplace, NOM-018-STPS-2015. This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

VICTAULIC PROVIDES THE INFORMATION HEREIN IN GOOD FAITH; HOWEVER, THIS INFORMATION IS PROVIDED AS IS AND NO REPRESENTATION OR WARRANTY OF ANY FORM, BE IT EXPRESS OR IMPLIED, IS GIVEN IN THE PROVISION OF THIS INFORMATION, AND VICTAULIC EXPRESSLY DISCLAIMS ANY SUCH WARRANTIES. REGULATORY REQUIREMENTS ARE SUBJECT TO CHANGE AND MAY DIFFER IN VARIOUS LOCATIONS. IT IS THE BUYER'S/USER'S RESPONSIBILITY TO ENSURE THAT THEIR ACTIVITIES COMPLY WITH ALL FEDERAL, STATE OR LOCAL LAWS. THE INFORMATION PRESENTED HEREIN PERTAINS ONLY TO THE NAMED PRODUCT AS SHIPPED. CONDITIONS RELEVANT TO THE USE OF THIS PRODUCT ARE NOT UNDER CONTROL OF THE MANUFACTURER. IT IS THE BUYER'S/USER'S RESPONSIBILITY TO DETERMINE THE CONDITIONS NECESSARY FOR THE SAFE USE OF THIS PRODUCT, AND VICTAULIC URGES BUYERS/USERS TO CAREFULLY STUDY THE INFORMATION CONTAINED IN THIS SDS AND CONSULT EXPERTS WHEN AND AS NECESSARY OR APPROPRIATE IN MAKING THE DECISION TO PURCHASE AND/OR USE THIS PRODUCT.

End of safety data sheet**Installation**

Reference should always be made to the I-100 Victaulic Field Installation Handbook for the product you are installing. Handbooks are included with each shipment of Victaulic products for complete installation and assembly data, and are available in PDF format on our website at www.victaulic.com.

Warranty

Refer to the Warranty section of the current Price List or contact Victaulic for details.

Note

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

Trademarks

Victaulic and Zero-Flex are registered trademarks of Victaulic Company.