

**Safety Data Sheet**  
acc. to 29 CFR 1910.1200 (OSHA Hazcom 2012)

Issued on 05/29/2015

Edition number 2

Reviewed on 05/29/2015

**1 Identification****Product identifier****Trade name:** VASCOMILL 42**Article number:** 02900-01**Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

**Application of the substance / the preparation:**

For industrial use only

Metal working fluid

Metal processing oil

**Details of the supplier of the safety data sheet****Manufacturer / Supplier:**

BLASER SWISSLUBE, Inc.

31 Hatfield Lane

Goshen, NY 10924

USA

Phone: +1 (0) 845 294 32 00

Fax : +1 (0) 845 294 31 02

Mailto: mailboxusa@blaser.com

**Information department:**

Product Safety Department

E-mail: reach@blaser.com

**Emergency telephone number:**

Within USA and Canada : 1-800-424-9300

Outside USA and Canada: +1-703-527-3887 (collect calls accepted)

**2 Hazard(s) identification****Classification of the substance or mixture**

Causes serious eye damage.

**Label elements****GHS label elements**

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

**Hazard pictograms**

GHS05

**Signal word** Danger**Hazard-determining components of labeling:**

Zinc alkyl dithiophosphate

**Hazard statements**

H318 Causes serious eye damage.

**Precautionary statements**

P280 Wear eye protection / face protection.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a poison center/doctor.

**Other hazards** None

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### 3 Composition/information on ingredients

**Chemical characterization: Mixtures**
**Description:** Mixture of esters and additives

**Declarable components:**
**CAS no.**

4259-15-8	Zinc alkyl dithiophosphate	>1.0-4.9%
2687-94-7	1-octyl-2-pyrrolidone	< 0.10%

**Additional information:**

The specific chemical identity and/or exact percentage concentration of proprietary components is withheld as a trade secret.

### 4 First-aid measures

**Description of first aid measures**
**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** If symptoms persist consult doctor.

**Information for doctor:**
**Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Fire-fighting measures

**Extinguishing media**
**Suitable extinguishing agents:**

 CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

**Special hazards arising from the substance or mixture** No further relevant information available.

**Advice for firefighters**
**Protective equipment:** No special measures required.

**Additional information** Cool endangered receptacles with water spray.

### 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Not required.

**Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

**Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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## 7 Handling and storage

### Handling:

#### Precautions for safe handling

The product has been classified and marked in accordance with directives on hazardous materials. Observe the general safety regulations when handling chemicals.

**Information about protection against explosions and fires:** No special measures required.

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

##### Storage:

**Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

**Information about storage in one common storage facility:** Store away from oxidizing agents.

##### Further information about storage conditions:

Protect from heat and direct sunlight.

Storage temperature between 14°F and 104°F

Optimal storage temperature between -10 °C and +40 °C.

Duration of Storage: In closed, original container, at least 36 months.

**Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

**Additional information about design of technical systems:** No further data; see item 7.

### Control parameters

#### Components with limit values at the workplace:

NIOSH Recommended exposure limit for Metalworking fluids: 0.5mg/m3 (particulate)

**Additional information:** The lists that were valid during the creation were used as basis.

### Exposure controls

#### Personal protective equipment:

**General protective and hygienic measures:** Wash hands before breaks and at the end of work.

**Respiratory Protection:** Not required.

#### Material of gloves (recommended):

Suitable protective gloves: Nitrile gloves, minimum thickness of 0.3 mm.

#### Breakthrough time of glove material:

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### Eye protection (recommended):

Eye protector with side protection (framed eyeglasses) ANSI Z87.1 – 2010

Use of tight fitting goggles

**Body protection (recommended):** Protective work clothing

## 9 Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

##### Appearance:

<b>Form:</b>	Liquid
<b>Color:</b>	Amber colored
<b>Odor:</b>	Weak, characteristic
<b>Odor threshold:</b>	Not determined.

**pH-value:** Not determined.

##### Change in condition:

**Melting point/Melting range:** Not applicable

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<b>Boiling point/Boiling range:</b>	> 572°F (> 300 °C) ASTM D86
<b>Drip point:</b>	
<b>Pour point:</b>	< 14°F; <- 10 (<- 10) ASTM D97
<b>Flash point:</b>	491°F (255 °C) ASTM D92
<b>Flammability (solid, gaseous):</b>	Not applicable.
<b>Decomposition temperature:</b>	Not determined.
<b>Auto igniting:</b>	Product is not selfigniting.
<b>Explosion limits (@1013 mbar):</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapor pressure:</b>	Not determined.
<b>Density:</b>	
<b>Relative density</b>	0.95 @ 68°F (20 °C) ASTM D1217
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Insoluble.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined. 42 mm <sup>2</sup> /s @ 104°F (40 °C) ASTM D445
<b>VOC content</b>	1 (ASTM E1868-10); Concentrate in the packaging as sold.
<b>Other information:</b>	none

## 10 Stability and reactivity

**Reactivity** None known if used as directed.

**Chemical stability** Stable under recommended storage conditions.

**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**Possibility of hazardous reactions** Reacts with strong oxidizing agents.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products**

**(in case of fire or oxidation):**

Carbon monoxide and carbon dioxide

Phosphorus compounds

Sulfur oxides (SO<sub>x</sub>)

Metal oxides

**Additional information:**

No hazardous decomposition products can be expected when properly handled and stored.

Release of flammable substances in distillation systems with solvent recovery possible.

Risk of accumulation in the solvent circuit.

Formation of trimethyl pentene possible.

Formation of hydrogen sulfide possible.

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### 11 Toxicological information

#### Information on toxicological effects

##### Acute toxicity:

##### LD/LC50 values that are relevant for classification:

> 2000 - < 5000 mg / kg (oral, rat)

> 5,100 mg/m<sup>3</sup> 4h (inhalation, rat)

##### ATE (Acute Toxicity Estimates)

Oral	LD50	2050000 mg/kg (rat)
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Dermal	LD50	2000000 mg/kg (rab)
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##### Primary irritant effect:

**on the skin:** No irritant effect.

**on the eye:** Strong irritant with the danger of severe eye injury.

**Sensitization:** No sensitizing effects known.

##### Additional toxicological information:

##### Carcinogenic categories

##### IARC (International Agency for Research on Cancer)

91-64-5	Coumarin	3
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##### NTP (National Toxicology Program)

None of the ingredients is listed.

##### OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

### 12 Ecological information

#### Toxicity

**Aquatic toxicity:** No further relevant information available.

#### Persistence and degradability

Easily biodegradable

biodegradable

#### Other information:

Biodegradation according OECD 301 B; after 28 days: 77%.

The product is easily biodegradable according to the OECD 301 and 302 guidelines.

#### Behavior in environmental systems:

**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

#### Ecotoxicological effects:

**Remark:** Harmful to fish

#### Additional ecological information:

#### General notes:

Do not allow product to reach ground water, water course or sewage system.

Harmful to aquatic organisms

#### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects** No further relevant information available.

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### \* 13 Disposal considerations

**Waste treatment methods**

**Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Used containers**

**Recommendation:** Disposal must be made according to official regulations.

### \* 14 Transport information

<b>DOT, ADR, IMDG, IATA</b>	not applicable
<b>DOT, ADR</b>	not applicable

<b>DOT, IMDG, IATA</b>	not applicable
<b>Hazard Classification:</b>	not applicable
<b>DOT, ADR, IMDG, IATA</b>	not applicable

**Environmental hazards**  
**Marine pollutant (according to IMDG):** No

**Special precautions for user** Not applicable.

**Transport/Additional information:** Not hazardous according to the above specifications.

**IATA** IATA Dangerous Goods Regulation (DGR) 56th Edition 2015

**UN "Model Regulation":** -

### \* 15 Regulatory information

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

**SARA (Superfund Amendments and Reauthorization)**

**Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

**Section 313 (Specific toxic chemical listings):**

This product does not contain a chemical that are listed in Section 313.

**TSCA (Toxic Substances Control Act):**

All ingredients are listed or exempt from notification requirements.

**California Proposition 65**

This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, we do not routinely analyze its products for impurities which may be such chemicals.

**Chemicals known to cause cancer:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

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**Carcinogenic categories:**
**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**NIOSH-Carcinogen list**

None of the ingredients is listed.

**California SCAQMD Rule 1144:**

Category: Metalworking Fluid – Metal Removal – General. Recordkeeping requirement: Super Compliant.

**GHS label elements** GHS label elements are issued under section 2.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Department issuing SDS:** Product Stewardship

**Editor's notice:**

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.

**Date of preparation / last revision** 05/29/2015 / 1

**Abbreviations and acronyms:**

ICAO: International Civil Aviation Organisation

RoHS: Restriction of Hazardous Substances

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

ISO: International Organisation for Standardisation

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic chemicals

vPvB: very Persistent and very Bioaccumulative chemicals

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

**\* Data compared to the previous version altered.**

The asterisk (\*) on the left side indicate the respective changes from the previous version.

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