

Safety Data Sheet
acc. to OSHA HCS

Printing date 11/13/2019

Version 1

Reviewed on 11/13/2019

1 Identification

- **Trade name:** VP TAP
- **Application of the substance / the mixture** *Metal working fluid*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
*ValCOOL, LLC
 5230 Brittmoore Road
 Houston, TX 77041 USA
 +1 (800) 244 9004
 support@valcool.com*
- **Information department:** *Product safety department*
- **Emergency telephone number:** *CHEMTREC: 1-800-424-9300*

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS09 Environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

*Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2A H319 Causes serious eye irritation.
 Skin Sens. 1 H317 May cause an allergic skin reaction.*

Aquatic Acute 2 H401 Toxic to aquatic life.

- **Label elements**
- **GHS label elements** *The product is classified and labeled according to the Globally Harmonized System (GHS).*
- **Hazard pictograms**



GHS07



GHS09

- **Signal word** *Warning*
- **Hazard-determining components of labeling:**
1,2-benzisothiazol-3(2H)-one
- **Hazard statements**
*Causes skin irritation.
 Causes serious eye irritation.
 May cause an allergic skin reaction.
 Toxic to aquatic life.
 Toxic to aquatic life with long lasting effects.*
- **Precautionary statements**
*Avoid breathing dust/fume/gas/mist/vapors/spray
 Avoid release to the environment.
 Wear protective gloves / eye protection / face protection.*

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If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Wash contaminated clothing before reuse.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



· **Other hazards**

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

102-71-6 Triethanolamine	2.5-10%
85535-85-9 alkanes, C14-17, chloro	2.5-10%
69227-21-0 Alcohols C 10 - 16, Ethoxylated Propoxylated	≥2.5-≤10%
Proprietary	≥0-<10%
Proprietary	≥0-<10%
Proprietary	≥0-<10%
2634-33-5 1,2-benzisothiazol-3(2H)-one	≥0.1-<0.25%

4 First-aid measures

· **Description of first aid measures**

· **General information:** Immediately remove any clothing soiled by the product.

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** Do not induce vomiting. Seek medical attention immediately.

· **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.

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5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Carbon Dioxide, Dry Chemical, Alcohol Foam or a light water spray.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
Full protective clothing and approved self-contained breathing apparatus if necessary for fire fighting personnel.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
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:**
Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **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.
- **Protective Action Criteria for Chemicals**
- **PAC-1:**

 - 64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic: 140 mg/m³
 - 102-71-6 Triethanolamine: 15 mg/m³
 - 107-41-5 2-methylpentane-2,4-diol: 2.3 ppm
 - 56-81-5 glycerol: 45 mg/m³
 - 1310-73-2 Sodium Hydroxide: 0.5 mg/m³
- **PAC-2:**

 - 64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic: 1,500 mg/m³
 - 102-71-6 Triethanolamine: 240 mg/m³
 - 107-41-5 2-methylpentane-2,4-diol: 25 ppm
 - 56-81-5 glycerol: 180 mg/m³
 - 1310-73-2 Sodium Hydroxide: 5 mg/m³
- **PAC-3:**

 - 64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic: 8,900 mg/m³
 - 102-71-6 Triethanolamine: 1,500 mg/m³
 - 107-41-5 2-methylpentane-2,4-diol: 150 ppm
 - 56-81-5 glycerol: 1,100 mg/m³
 - 1310-73-2 Sodium Hydroxide: 50 mg/m³

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7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** *Keep respiratory protective device available.*
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Keep container closed when not in use. Store in a cool, dry, well ventilated place away from incompatible materials.
- **Information about storage in one common storage facility:**
Keep container tightly closed in a cool, well-ventilated place. Keep away from source of ignition.
- **Further information about storage conditions:** *Keep receptacle tightly sealed.*
- **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 that require monitoring at the workplace:**
The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.
102-71-6 Triethanolamine
TLV Long-term value: 5 mg/m³
- **Additional information:** *The lists that were valid during the creation were used as basis.*
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
When contact is likely wear chemical resistant gloves and boots.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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· **Penetration time of glove material***The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*· **Eye protection:***Tightly sealed goggles***9 Physical and chemical properties**· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

Form: *Pasty*
Color: *Amber colored*

· **Odor:** *Light*· **pH- Value:**
· **Flash point:** *Not applicable.*· **Self-igniting:** *Does not ignite.*· **Danger of explosion:** *No Danger*· **Specific Gravity at 20 °C (68 °F):** *1.011 g/cm³ (8.4368 lbs/gal)*· **Density:** *N.D.*· **Evaporation rate:** *Not determined.*· **Solubility in / Miscibility with**
Water: *limited by viscosity*· **Viscosity:**
Kinematic: *Not determined.*· **Solvent content:**
Organic solvents: *10-≤10.1 %*
Water: *16.4 %*
VOC content: *≤9.84 %*
≤99.5 g/l / ≤0.83 lb/gal· **Other information** *No further relevant information available.***10 Stability and reactivity**· **Reactivity** *No further relevant information available.*· **Chemical stability**· **Thermal decomposition / conditions to be avoided:** *Stable under normal conditions.*· **Possibility of hazardous reactions** *No dangerous reactions known.*· **Conditions to avoid** *No further relevant information available.*· **Incompatible materials:** *Do not mix with oxidizers.*· **Hazardous decomposition products:** *Carbon Dioxide and Carbon Monoxide and various unidentified organic hydrocarbons.*US
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11 Toxicological information· **Information on toxicological effects**· **Acute toxicity:**· **Primary irritant effect:**· **on the skin:** *This product is not expected to be toxic in contact with the skin.*· **on the eye:** *Product is classified as moderately irritating to the eyes.*· **Sensitization:** *Sensitization possible through skin contact.*· **Additional toxicological information:***The product shows the following dangers according to internally approved calculation methods for preparations:**Irritant**Carcinogenic.*· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)***102-71-6 Triethanolamine: 3*· **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** *No further relevant information available.*· **Behavior in environmental systems:**· **Bioaccumulative potential** *No further relevant information available.*· **Mobility in soil** *No further relevant information available.*· **Ecotoxicological effects:**· **Remark:** *Toxic for fish*· **Additional ecological information:**· **General notes:***Not readily biodegradable.**Does not hydrolyse.**Also poisonous for fish and plankton in water bodies.**Toxic for aquatic organisms*· **Results of PBT and vPvB assessment**· **PBT:** *Not applicable.*· **vPvB:** *Not applicable.*· **Other adverse effects** *No further relevant information available.***13 Disposal considerations**· **Waste treatment methods**· **Recommendation:** *Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*

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

14 Transport information

- **UN-Number**
- **DOT** *Not Regulated*
- **UN proper shipping name**
- **DOT** *Not Regulated*
- **Transport hazard class(es)**
- **DOT**
- **Class** *Not Regulated*
- **Label** *9*
- **Packing group**
- **DOT** *Not Regulated*
- **Environmental hazards:**
- **Marine pollutant:** *Symbol (fish and tree)*
- **Special marking (ADR):** *Symbol (fish and tree)*
- **Special marking (IATA):** *Symbol (fish and tree)*
- **Special precautions for user** *Warning: Miscellaneous dangerous substances and articles*
- **Danger code (Kemler):** *90*
- **EMS Number:** *F-A,S-F*
- **Stowage Category** *A*
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** *Not applicable.*
- **Transport/Additional information:**
- **ADR**
- **Excepted quantities (EQ)** *Code: E1*
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
- **IMDG**
- **Limited quantities (LQ)** *5L*
- **Excepted quantities (EQ)** *Code: E1*
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
- **UN "Model Regulation":** *UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKANES, C14-17, CHLORO), 9, III*

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**
- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.
- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

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

- 64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic: ACTIVE
- 102-71-6 Triethanolamine: ACTIVE
- 85535-85-9 alkanes, C14-17, chloro: ACTIVE
- 69227-21-0 Alcohols C 10 - 16, Ethoxylated Propoxylated: ACTIVE
- 8002-26-4 Tall oil: ACTIVE
- 107-41-5 2-methylpentane-2,4-diol: ACTIVE
- 56-81-5 glycerol: ACTIVE
- 2634-33-5 1,2-benzisothiazol-3(2H)-one: ACTIVE
- 8013-07-8 Epoxidized soybean oil: ACTIVE
- 1310-73-2 Sodium Hydroxide: ACTIVE
- 7732-18-5 water, distilled, conductivity or of similar purity: ACTIVE

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **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.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

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

· **Hazard pictograms**



GHS07 GHS09

· **Signal word** Warning

· **Hazard-determining components of labeling:**

1,2-benzisothiazol-3(2H)-one

· **Hazard statements**

- Causes skin irritation.
- Causes serious eye irritation.
- May cause an allergic skin reaction.
- Toxic to aquatic life.
- Toxic to aquatic life with long lasting effects.

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· Precautionary statements*Avoid breathing dust/fume/gas/mist/vapors/spray**Avoid release to the environment.**Wear protective gloves / eye protection / face protection.**If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**Wash contaminated clothing before reuse.**Dispose of contents/container in accordance with local/regional/national/international regulations.***· National regulations:****· Information about limitation of use:***Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.***· Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.***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 safety department***· Contact:** *support@valcool.com***· Date of preparation / last revision** *11/13/2019 / -***· Abbreviations and acronyms:***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**ACGIH: American Conference of Governmental Industrial Hygienists**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**NFPA: National Fire Protection Association (USA)**HMIS: Hazardous Materials Identification System (USA)**VOC: Volatile Organic Compounds (USA, EU)**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**NIOSH: National Institute for Occupational Safety**OSHA: Occupational Safety & Health**TLV: Threshold Limit Value**PEL: Permissible Exposure Limit**REL: Recommended Exposure Limit**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A**Skin Sens. 1: Skin sensitisation – Category 1**Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2**Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*