

Safety Data Sheet according to HPR, Schedule 1

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 identification

- **Classification of the substance or mixture**



GHS09 Environment

Aquatic Chronic 2

H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irritation - Category 2 H315 Causes skin irritation.

Eye Irritation - Category 2A H319 Causes serious eye irritation.

Skin Sensitizer - Category 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**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

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Avoid breathing dust/fume/gas/mist/vapours/spray.

Avoid release to the environment.

Wear protective gloves/protective clothing/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.

If skin irritation or rash occurs: Get medical advice/attention.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:

NFPA ratings (scale 0 - 4)



HMIS-ratings (scale 0 - 4)



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

* Actual concentration ranges are withheld as a trade secret.

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 Firefighting 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.*

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.*

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- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**

102-71-6 Triethanolamine

EL Long-term value: 5 mg/m³

EV Long-term value: 3.1 mg/m³, 0.5 ppm

- **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.

- **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.*

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- **Danger of explosion:** *No Danger*
- **Specific Gravity at 20 °C:** *1.011 g/cm³*
- **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 %*
- **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.*

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.*

12 Ecological information

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

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

14 Transport information

- **UN-Number**
- **DOT/TDG** *Not Regulated*
- **UN proper shipping name**
- **DOT/TDG** *Not Regulated*
- **Transport hazard class(es)**
- **DOT/TDG (Transport dangerous goods):**
- **Class** *Not Regulated*
- **Label** *9*
- **Packing group**
- **DOT/TDG** *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.*

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· 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)

· Excepted quantities (EQ)

5L

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.

· 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

· Canadian substance listings:

· Canadian Domestic Substances List (DSL)

64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic

102-71-6 Triethanolamine

85535-85-9 alkanes, C14-17, chloro

69227-21-0 Alcohols C 10 - 16, Ethoxylated Propoxylated

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• **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

• **Canadian Ingredient Disclosure list (limit 1%)**

102-71-6 Triethanolamine

• **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**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Avoid release to the environment.

Wear protective gloves/protective clothing/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.

If skin irritation or rash occurs: Get medical advice/attention.

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 the latest revision of the safety data sheet** *11/13/2019 / -*

• **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

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Trade name: VP TAP

PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

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