

# **VAPORTEK**

## **VAPOR TEK LIMITED**

### **Material Safety Data Sheet**

Revision 3.0 December 2019

Product: **STEELGARD TD CONCENTRATE**

#### **Section 1: Identification of the substance/preparation and of the company/undertaking.**

Application: Steelgard TD(Touch Dry) Concentrate is a corrosion preventive compound (Grease -Semi solid/Gel).

##### **1.1 Product identifier:**

Product name: STEELGARD TD CONCENTRATE.

##### **1.2 Supplier**

Supplier: Vapor-Tek Ltd

Fairclough Street

Bolton. BL3 2AF

United Kingdom

Telephone Number

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Fax

+44 (0)1204 364576

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[info@vapor-tek.co.uk](mailto:info@vapor-tek.co.uk)

Emergency Telephone Number:

+44(0) 07773160675

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#### **2 Hazards Identification**

##### **2.1 Classification of the Substance or Mixture:**

This product does not meet the classification requirements of the current European legislation.

##### **Classification according to Regulation (EC) No 1272/2008 as amended**

Not classified.

##### **Classification according to Directive 67/548/EEC or 1999/45/EC as amended**

Not classified.

##### **2.2 Label elements according to Regulation (EC) No 1272/2008 as amended.**

Signal word: No signal word

Hazard statement: No known significant effects or critical hazard

Precautionary statement: Not applicable

### 2.3 Other Hazards:

None identified

## 3. Composition/Information on ingredients

Component	EC Number	Registration Number	Classification
Base Oil (liquid)	265-155-0	01-2119467170-45-0002	N/A
Hydrocarbon waxes, petroleum oxidized, methyl esters, barium salts.	271-673-1	Not available	N/A
Hard Paraffin Wax	232-345-6	01-2119488076-2	N/A
2-Butoxyethanol	203-905-0	01-2119475108-xxxx	N/A

## 4 First-aid measures

### 4.1 Description of First Aid Measures

General Information

Change contaminated clothing

### 4.2 After Inhalation

In the unlikely event remove the exposed person to fresh air if any adverse effects are observed.

### 4.3 After Contact with skin.

Wash with soap and water, remove any contaminated clothing. If skin irritation occurs or persists, seek medical attention.

### 4.4 After contact with eyes

Flush with water for several minutes. Remove contact lenses if necessary. Seek medical advice.

### 4.5 After Ingestion

Do not induce vomiting. Rinse mouth Consult a physician.

## **5. Firefighting measures**

### **5.1 Extinguishing media:**

#### **Suitable extinguishing media**

Dry powder. Foam. Carbon dioxide (CO<sub>2</sub>). **DO NOT USE WATER JETS.**

**WATER FOG** may be used to cool containers.

#### **Unsuitable extinguishing media**

**Water – Do not use water jets.**

### **5.2 Special hazards arising from the substance or mixture:**

Combustion may release undefined organic compounds.

### **5.3 Advice for firefighters:**

Wear self-contained breathing apparatus.

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## **6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

In case of spills, beware of slippery floor, do not allow to come into contact with open fire or other ignition sources.

### **6.2 Environmental precautions:**

Avoid discharge into drains, watercourses or on the ground.

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

Collect with absorbent, non-combustible material into suitable containers. Clean the contaminated area with oil-removing material. Recover as much as possible and dispose of in an approved and permitted way.

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## **7. Handling and storage**

### **7.1 Precautions for safe handling:**

Avoid contact with eyes and skin.

### **7.2 Conditions for safe storage, including any incompatibilities:**

#### **Requirements for storage rooms and vessels**

Minimum/Maximum recommended storage temperature < 40c.

Store in steel or other suitable metal containers.

Storage life essentially indefinite under normal conditions.

Store separately from strong acids and oxidising agents.

**Advice on storage compatibility**

Do not store with food.

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**8. Exposure Controls/Personal Protection**

**8.1 Control Parameters:**

None of the components has assigned exposure limits.

**8.2 Appropriate engineering controls:**

No special requirements under ordinary conditions of use and with adequate ventilation

Individual protection measures, such as personal protective equipment (PPE)

**General information:**

Use personal protective equipment as required.

**Eye/face:**

If contact is likely, safety glasses with side shields are recommended

**Skin protection:**

**Hand:**

Use nitrile or neoprene gloves. Use good industrial hygiene practices. In case of skin contact, wash hands, arms and affected area with soap and water.

**Respiratory protection:**

If fumes, vapour or mist are generated the use of a respirator fitted with the correct filter cartridge.



**Hygiene measures**

Wash hands at the end of each work shift and before eating, smoking or using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

**Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to an acceptable level.

**9: Physical and Chemical Properties**

9.1	Appearance	Light brown Oily Gel
9.2	Odour	Mild 'fruity'
9.3	PH	Aqueous dispersion 6-7 units
9.4	Boiling point/range	N/A
9.5	Melting point/range	25° - 40°C
9.6	Flashpoint	N/A
9.7	Flammability	Combustible
9.8	Auto-flammability	N/A
9.9	Explosive properties	None
9.10	Oxidising Properties	None
9.11	Vapour pressure	N/A
9.12	Relative density	0.91 – 0.98
9.13	Solubility	Insoluble in water. Miscible with most organic solvents
9.14	Viscosity	N/A

**10. Stability and Reactivity****10.1 Conditions to avoid/stability:**

Stable unless overheated.

Thermal decomposition will release undefined organic compounds.

**10.2 Materials to avoid contact with:**

Incompatible with strong oxidising agents

**11. Toxicological Information****Inhalation**

Unlikely unless heated, vapour could be irritant to the respiratory tract. Could cause nausea & dizziness

**Skin Contact**

Prolonged or frequent contact could cause irritation and may lead to dermatitis.

May cause mild skin irritation

**Eye Contact**

Irritant

**Ingestion**

Unlikely unless deliberate but could cause gastrointestinal irritation.

**12. Ecological Information**

Product name/ ingredient name	Result	Species	Exposure
Distillates (petroleum) hydrotreated heavy naphthenic	Acute EC50.100 mg/l	Fish	96 hours

**Conclusion/Summary:**

Aquatic toxicity data on the base oils indicates LC50 values of 100mg/l, which is considered as low toxicity.

**12.2 Persistence and degradability:**

Not readily biodegradable. Inherently biodegradable.

**12.3 Bioaccumulative potential:**

The product has the potential to bioaccumulate.

#### **12.4 Mobility in soil:**

Insoluble in water

#### **12.5 Results of PBT & vPvB assessment.**

PBT: NO

vPvB: NO

#### **12.6 Other adverse effects:**

Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

### **13 Disposal Considerations**

Advice on disposal

In accordance with national and local regulations.

Prevent from entering sewers and waterways.

Containers to be disposed of by authorised disposal agency.

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

### **14. Transport Information**

#### **14.1: Land Transport (ADR/RID)**

Not regulated.

#### **14.2: Transport by Air(IATA)**

Not regulated.

#### **14.3: Marine Transport (IMDG)**

Not regulated.

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## 15. Regulatory Information

### Global Chemical Inventories

<b>USA</b>	<b>All components are on the US TCSA inventory or are exempt.</b>
<b>EU</b>	<b>All components are in compliance with the EC seventh amendment Directive 92/32/EEC.</b>
<b>Japan</b>	<b>All components are in compliance with the Chemical Substances Control Law of Japan.</b>
<b>Australia</b>	<b>All components are in compliance with Chemical notification requirements in Australia.</b>
<b>Canada</b>	<b>All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.</b>
<b>Korea</b>	<b>All components are in compliance in Korea.</b>
<b>Philippines</b>	<b>All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A.6969).</b>
<b>China</b>	<b>All components of this product are listed on the Inventory of Existing Chemical Substances In China</b>

## 16. Other Information

### Disclaimer

These data are presented in good faith and are believed to be accurate, however, it is for users to satisfy themselves as to the suitability of the product for their applications.

Sources of information used in the compilation of this document include manufacturers 'Material Safety Data Sheets' REACH approved supply lists, codes of practice and Guidance Notes.

If this product is used as an additive in the preparation of corrosion preventives, users are reminded that when mixed with other substances such as solvents, the properties of these must be taken into account when assessing hazards and risks.

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its suppliers, assume any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

## VAPOR-TEK LTD – MATERIAL DATA SHEET

<b>Date of Amendment</b>	<b>Amendment</b>	<b>Issue no.</b>	<b>Notes</b>
08/08/2013	First Issue	1.0	C.Jones (M.D.)
07/04/2016	First Revision	2.0	C. Jones (M.D.)
17/12/2019	Format Standardised	3.0	S. Lambert