

# **VAPORTEK**

## **VAPOR TEK LIMITED**

### **Material Safety Data Sheet**

Revision 2.0 December 2019

Product: **STEELGARD STAGE1 CONCENTRATE**

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

Application: Steelgard stage 1 concentrate is a corrosion preventive compound (Semi solid/Gel).

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

Product name: Steelgard Stage 1 Concentrate

##### **1.2 Supplier**

Supplier: Vapor-Tek Ltd

Fairclough Street

Bolton. BL3 2AF

United Kingdom

Telephone Number

+44 (0)1204 521795

Fax

+44 (0)1204 364576

E-mail

[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

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

Signal word: Not applicable

Hazard statement: Not applicable

Precautionary statement: Not applicable

##### **2.3 Other Hazards:**

None identified

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**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	Acute Tox: H332 Acute Tox4: H302
Benzenesulfonic acid, mono-C19-28-Alkyl derivatives, sodium salts.	274-265-8	Not available	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>).

**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.

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### **Advice on storage compatibility**

Do not store with food.

### **Further information on storage conditions**

Maximum Storage Temperature 40 C.

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## **8. Exposure Controls/Personal Protection**

### **8.1 Control Parameters:**

Hand and Body Protection: Oil resistant gloves and apron or other suitable protective clothing.

Eyes: Protective safety glasses where splashes are possible.



### **8.2 Hygiene measures:**

Wash hands at the end of each shift and before eating, smoking or using the toilet

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

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

### **Eye/Face Protection**

The following protection should be worn; Chemical splash goggles (EN166)

### **Hand Protection**

The most suitable gloves should be chosen in consultation with the glove supplier/manufacturer.

Protective nitrile gloves (EN374), minimum layer +0.4mm

Permeation time (penetration time) in minutes. +480

Protective hand cream recommended

### **Other skin & body Protection**

Wear suitable clothing as protection against splashing or contamination. Provide an eye wash and shower where necessary.

### **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.

### **Respiratory protection**

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge:

Gas filter, type A2 P2 (EN14387), colour code brown, white.

### **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 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	N/A
9.6	Flash point	N/A
9.7	Flammability	Combustible if heat input is sufficient
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	Variable according to shear rate i.e. pseudoplastic

## **10. Stability and Reactivity**

### **10.1 Reactivity:**

No data available.

### **10.2 Chemical stability:**

Material is stable under normal conditions.

### **10.3 Possibility of hazardous reactions:**

Under normal conditions of storage and use, hazardous reactions will not occur.

### **10.4 Conditions to avoid/stability:**

Stable unless overheated.

### **10.5 Materials to avoid contact with:**

Incompatible with strong oxidising agents/Strong acids.

### **10.6 Hazardous decomposition products:**

Thermal decomposition or combustion will release undefined organic compounds.

## **11. Toxicological Information**

### **Inhalation**

Unlikely unless heated, vapour could be irritant to respiratory tract.

### **Skin Contact**

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

### **Eye Contact**

Irritant

### **Ingestion**

Unlikely unless deliberate but could cause gastrointestinal irritation.

### **Long term exposure**

No detrimental ill effects established from general usage.

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## **12. Ecological Information**

No direct information but not expected to be dangerous to the environment.

Likely to be slowly biodegradable.

## **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 the 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: International Air Transport Association (IATA)**

Not regulated.

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

Not regulated.No dangerous goods in sense of this transport regulation

### **14.4 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

None known.

Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, packaging size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. For transportation, steps must be taken to prevent the load shifting or materials falling, and all relating legal statutes should be obeyed.

**15. Regulatory Information****15.1 : Safety, health and environmental regulations/legislation specific for the substance or mixture:****EU Regulations.****Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:**

None present or none present in regulated quantities

**Regulation (EC) No. 850/2004 on persistent organic pollutants:**

None present or none present in regulated quantities.

**Regulation (EC) No.689/2008 Import and export of dangerous chemicals:**

None present or none present in regulated quantities.

**Regulation (EC) No. 1907/2006, REACH article 59(1). Candidate list:**

None present or none present in regulated quantities.

**Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work:**

None present or none present in regulated quantities.

**EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II. Pollutants:**

None present or none present in regulated quantities.

Not classed as hazardous for use.

**Global Chemical Inventory status**

Australia (AICS)	All components are in compliance with chemical notification requirements in Australia
Canada (DSL/NDSL)	All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List
China (IECSC)	All components of this product are listed on the inventory of existing chemical substances in China.



European Union (REACH)	To obtain the REACH status of the component chemicals for this product, please email REACH@SDSinquiries.com
Japan(ENCS)	All components are in compliance with the chemical substance control law of Japan
Korea (ECL)	All components are in compliance in Korea.
New Zealand (NZLoC)	All components are in compliance with chemical notification requirements in New Zealand
Phillippines (PICCS)	All components are in compliance with the Phillipines Toxic Substances and Hazardous and Nuclear Waste Control Act of 1990 (R.A.6969)
Switzerland (SWISS)	All components are are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland
Taiwan (TCSCA)	All components of this product are listed on the Taiwan Inventory
United States (TSCA)	All components of this material are on the US TSCA Inventory

## 15.2 Abbreviations and Acronyms

ACGIH	American Conference of Government Industrial Hygiene
ADR	International Carriage of Dangerous Goods by Road
AICS	Australian Inventory of Chemical Substances
ATEmix	Acute Toxicity Estimate for the mixture
BCF	Bio concentration factor
DMSO	Dimethyl sulfoxide
DSL	Domestic Substance List
EC50	Effective concentration that gives a response in 50% of the population
ECHA	European Chemical Agency
ECL	Existing Chemical List
ENCS	Existing and New Chemical Substances
EPA	Environmental Protection Agency
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IECSC	Inventory of Existing Chemical Substances
IMDG	International Maritime Dangerous Goods
IP 346	A gravity assay used to determine the percentage weight of polycyclic aromatics in oil, via a DMSO extraction technique
LC50	a DMSO extraction technique
MARPOL	International Conventions for the Prevention of Pollution from Ships
NDSL	Non-Domestic Substance List
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effective concentration
NTP	National Toxicology Program
NZIOC	New Zealand Inventory of Chemicals

OECD TG	Organisation for Economic Cooperation and Development Test Guidelines
OSHA	Occupational, Safety, and Health Administration
PBT	Persistent bioaccumulative toxic chemical
PEL	Permissible Exposure Level
PICCS	Philippine Inventory of Chemicals and Chemical Substances
PPE	Personal Protective Equipment
PRTR	Pollutant Release and Transfer Register
REACH	Registration, Evaluation, Authorisation & restriction of Chemicals
SVHC	Substance of Very High Concern
SWISS	Switzerland Chemical Ordinance
TCSCA	Toxic Chemical Substance Control Act
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
vPvB	very Persistent very Bioaccumulative

## **16. Other Information**

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, assumes 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.

<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.)
26/09/2016	Revised	1.1	C. Jones(M.D.)
17/12/2019	Format Standardised	2.0	S. Lambert