

VAPORTEK

VAPOR TEK LIMITED

Material Safety Data Sheet

Revision 2.0 December 2019

Product: **STEELGARD 521 CONCENTRATE**

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

Application: Steelgard 521 concentrate is a corrosion preventive compound (Semi solid/Gel).

1.1 Product identifier:

Product name: Steelgard 521 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

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info@vapor-tek.co.uk

Emergency Telephone Number:

+44(0) 07773160675

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:

Signal word: No signal word

Hazard statement: No known significant effects or critical hazard

Precautionary statement: Not applicable

2.3 Other Hazards:

None

3. Composition/Information on ingredients

A blend of corrosion inhibitors, antioxidants and metals deactivators in mineral oil.

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	232-315-6	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

After Inhalation

Remove exposed person to fresh air if adverse effects are observed.

After contact with skin.

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

After contact with eyes

Flush thoroughly with water. Remove contact lenses if necessary. Seek medical attention.

After Ingestion

Rinse mouth. Do not induce vomiting. Seek medical attention.

4.2 Most Important symptoms and effects, both acute and delayed

No information available

4.3. Indication of any immediate medical attention and special treatment needed.

No Information available

5. Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media

Dry powder. Foam. Carbon dioxide (CO₂).

Unsuitable extinguishing media

Water – **Do not use water jets.**

Water **fog** may be used to cool containers.

5.2 Special hazards arising from the substance or mixture:

In case of toxic fumes, smoke and carbon monoxide may be released.

5.3 Advice for firefighters:

In case of fire. Wear self-contained breathing apparatus

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 contaminated area with oil-removing material. Recover as much as possible and dispose of in an approved and permitted way

6.4 Reference to Other Sections:

See section 13: Disposal considerations

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:

- 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

8. Exposure Controls/Personal Protection

8.1 Control Parameters:

None of the components have 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 protection equipment as required.

Eye/Face Protection

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

Hard Protection

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 shift and before eating, smoking or using the toilet

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 – 0.95
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:**

The product is stable under storage at normal ambient temperatures and stable unless overheated.

10.2 Materials to avoid contact with:

Incompatible with strong oxidising agents

10.3 Possibility of hazardous reactions:

Thermal decomposition will release undefined organic compounds.

10.4 Conditions to avoid:

Incompatible with strong oxidizing agents. Overheating.

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.

Potential chronic health effects

Chronic effects: No known significant effects or critical hazards

Carcinogenicity:

This product contains mineral oils which are severely refined and not considered carcinogenic. All of the oils in this product have been demonstrated to contain less than 3% extractable by IP346 test.

Mutagenicity

No data available.

Teratogenicity

No data available

Fertility Effects

No data available

12. Ecological Information**12.1 Toxicity:**

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

12.2 Persistence and degradability:

Not readily biodegradable. Inherently biodegradable.

12.3 Bioaccumulate potential

The product has the potential to bioaccumulate.

12.4: Mobility in soil

Insoluble in water

12.5 Results of PBT and 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

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.

Waste Disposal number of waste from residual/unused products

070199 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; wastes not otherwise specified.

Waste Disposal number of used products

070199 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; wastes not otherwise specified.

Waste Disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging

Remove according to the regulations.

14. Transport Information

14.1: Land Transport (ADR/RID)

Not regulated

No dangerous goods in the sense of this transport regulation.

14.2: Inland Waterways transport (ADN)

Not regulated

14.3: Marine Transport (IMDG)

Not regulated

14.4: Air Transport (IATA)

Not regulated

14.5: Environment hazards

Dangerous for the environment: No

14.6: Special precautions for user

Not regulated

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not regulated

15. Regulatory Information

Global Chemical Inventories

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

16. Other Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage processing, transport and disposal. The information cannot be transferred to other products. In case of mixing the product with other products or in the case of processing, the information on this safety data-sheet is not necessarily valid for the new made-up material.

Date of Amendment	Amendment	Issue no.	Notes
08/08/2013	First issue	1.0	C.Jones (M.D.)
07/04/2016	Revised	1A	C.Jones (M.D.)
04/12/2019	Format Standardised	2	S. Lambert

