

VAPOR-TEK

VAPOR TEK LIMITED

Material Safety Data Sheet

Revision 1: September 2019

Product: **STEELGARD 6109**

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

Application: STEELGARD 6109 is a soft, industrial grade Slackwax

1.1 Product identifier:

Product name: Steelgard 6109

REACH registered name: Not Determined

REACH registered No: Not Determined

CAS Number: Not Determined

1.2 Relevant identified uses of the substance or mixture and uses advised against Identified use(s):

Various uses in industrial, cosmetic and pharmaceutical applications. SU1, SU3, SU5, SU7, SU8, SU10, SU11, SU12, SU17, SU19

1.3 Details of the supplier of the safety data sheet:

Supplier: Vapor-Tek Ltd

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2 Hazards Identification**2.1 Classification of the Substance or Mixture: CLP Regulation 1272/2008/EC**

Does not contain any components which are hazardous according to DSD [67/548/EC] or CLP Regulation 1272/2008/EC

2.2 Label Elements:

Does not require a hazard warning label in accordance with DSD [67/548/EC] or CLP Regulation 1272/2008/EC

2.3 Other Hazards:

- PBT: This product is not identified as a PBT / vPvB substance
- Hot liquid may cause thermal burns.

3. Composition**3.1 Substances:**

Not Applicable

3.2 Mixtures:

A blend of **brightstock and paraffinic slackwaxes**

CAS-No.	Substance Name	%Range	EC Number	REACH Reg No
-	-	-	-	-
-	-	-	-	-

There are no ingredients present which, within current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section in accordance with Regulation (EC) No. 1272/2008.

4 First aid measures**4.1 Description of First Aid Measures**

General Information: Remove contaminated / saturated clothing immediately. In case of accident or illness seek medical advice immediately.

Inhalation: Remove the affected person to fresh air, keep warm and rest. If recovery is not rapid, obtain medical attention

Skin Contact: Wash the affected parts of the body with soap and water. No emergency measures are necessary but if adverse skin effects follow, refer for medical attention.

Eye Contact: Flush eyes immediately with fresh water for at least 5 minutes while holding the eyelids open. No emergency measures are necessary but if adverse eye effects follow, refer for medical attention.

Ingestion: Do not induce vomiting. No emergency measures are needed but if adverse health effects follow or large amounts are swallowed, refer for medical attention.

Self-Protection of First Aider: First aider, pay attention to self-protection.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Over-heated oil can produce fumes which may be irritant when breathed in.

Skin Contact: May cause slight irritation to skin.

Ingestion: No known significant effects or critical hazards

Eye Contact: May cause slight irritation to eyes

4.3 Indication of any immediate medical attention and special treatment needed

In contact with or splashed by hot liquid:

Skin Contact Cool the skin immediately with cool water. Treat burns according to their severity. Obtain medical attention. Never try to remove the material with solvents.

Contact with eyes Cool the area immediately with cold water. Seek advice of an ophthalmologist.

Specific Treatment: First Aider, decontamination, treatment of symptoms.

Notes to doctor: Treat symptomatically.

5. Firefighting measures

5.1 Extinguishing media:

Foam, dry chemical, carbon dioxide, water mist.

5.2 Special hazards arising from the substance or mixture:

Slight flammability hazard when exposed to heat or flame. During a fire, toxic gases (carbon monoxide, nitrous gases) may be generated by thermal decomposition or combustion.

5.3 Advice for firefighters:

Only suitably trained personnel should attempt to tackle fires. Do not stay in the danger zone without respiratory protective equipment and protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Surfaces may become slippery after spillage.

6.2 Environmental precautions:

Water may be used to flush spills away from sources of ignition. Do not allow the product to enter public drainage system or open water courses.

6.3 Methods and material for containment and cleaning up:

Use Sand or active clay to absorb spilled substance and remove to containers for disposal

6.4 Reference to other Sections:

See sections 8 and 13

7. Handling and storage

7.1 Precautions for safe handling:

Avoid skin contact. Avoid inhalation of vapour, mist or fumes. Do not wear contaminated clothing. Avoid contact with the eyes – wear chemical protective goggles when handling the product. Protective clothing such as impervious gloves should be worn if skin contact is anticipated. Protective clothing should be regularly

inspected and maintained, discard oil saturated leather articles. The use of barrier and after work creams may be beneficial. Wash hands after working with the material.

7.2 Conditions for safe storage, including any incompatibilities:

Keep containers tightly closed. Avoid heat and sources of ignition. Store in original containers or in other mild steel or high-density polyethylene containers which are closable and clearly labelled. Clean up any spilled material immediately

7.3 Specific end use(s):

This material is formulated for various uses.

8. Exposure Controls/Personal Protection

8.1 Control Parameters:

TWA TLV (ACGIH): 2 mg/m³ (paraffin wax fumes). However, in all circumstances, exposure should be kept as low as reasonably possible by good ventilation and safe working practices.

PNEC Values: - No Data Available

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8.2 Exposure Controls:

Appropriate engineering measures: Facilities storing or utilising this material should be equipped with an eyewash facility.

Respiratory protection: Inhalation of the vapour, fumes or mists should be avoided by safe working practices and good ventilation.

Eye protection: Wear appropriate eye goggles.

Skin protection: No special precautions are needed beyond clean working conditions and safe handling practices. Change heavily contaminated clothing.

Hand protection: Use impervious gloves [conforming to EN374] PVC is suitable for casual contact. If direct contact for more than 2 hours, then Neoprene or nitrile gloves recommended.

8.3 Environmental Exposure Controls:

See sections 6, 7, 12 and 13

9. Physical and Chemical Properties

9.1 Information on basic chemical and physical properties:

Appearance: Semi Solid – light brown

Odour:	Waxy
Odour Threshold:	Not determined
pH:	Not determined
Melting Point/ Congealing Point:	~69°C
Boiling Point/ range:	Initial boiling point >300°C.
Flash point:	230°C, (ASTM D93)
Evaporation Point:	Not determined
Flammability (solid, gas):	May be combustible at high temperature
Explosion Limits:	Not determined
Vapour Pressure:	Negligible
Relative Density (at 15°):	0.83 – 0.86
Solubility in water:	<1 mg/l
Solubility in other solvents:	Not determined
Partition coefficient n-octanol/water:	Not determined
Auto-ignition temperature:	>200°C
Decomposition temperature:	Not determined

Viscosity (Kinematic, at 100°C):	18 cSt (typical)
Explosive properties:	Not determined
Oxidizing properties:	Not determined

9.2 Other Information:

None

10. Stability and Reactivity

10.1 Reactivity:

This product is not reactive under normal storage and handling conditions (see section 7).

10.2 Chemical stability:

Under normal storage and handling conditions, this product is stable. May react with strong oxidising agents, especially at high temperatures.

10.3 Possibility of hazardous reactions:

No specific hazardous reactions are expected to occur.

10.4 Conditions to avoid:

Extremes of temperature (preferably, store between 5 & 39 °C). The product is combustible when heated >300°C.

10.5 Incompatible materials:

May react with strong oxidants (e.g. chlorates, peroxides).

10.6 Hazardous decomposition products:

Thermal decomposition or incomplete combustion may produce carbon monoxide, nitrous gases and irritating fumes.

11. Toxicological Information**11.1 Information on toxicological effects – Slack Wax – CAS No 64742-61-6****Acute Toxicity**

Acute Toxicity (oral)	LD50>5000mg/kg – OECD 401
Acute Toxicity (dermal)	LD50>5000mg/kg – OECD 402
Acute Toxicity (inhalation)	No data available
Skin Corrosive / Irritation:	Not Irritant
Serious Eye Damage Irritation:	Repeated or prolonged contact spray, mist or vapours may cause eye irritation but no permanent damage.
Respiratory Sensitisation:	Non sensitising OECD - 406
Skin Sensitisation:	Non sensitising OECD - 406
Repeated Dose Toxicity: irritation and possible dermatitis.	Prolonged contact to skin or eyes can cause
Mutagenicity:	Negative to Modified Ames test
Carcinogenicity:	Negative – no effect
Reproductive Toxicity:	Study on fertility – Rat

12. Ecological Information**12.1 Toxicity: - Slack Wax – CAS no 64742-61-6**

Environmental Fate: Considered not to represent danger for soil- growing organisms and aquatic organisms

Aquatic toxicity (fish): CL50> 100mg/l 96hrs – Pimephales Promelas – OECD 203

Aquatic toxicity (algae): CE50> 100mg/l – 72Hr – Pseudokirchnerella Subcapitata – OECD 201

Aquatic toxicity (invertebrate): CE50> 10000 mg/l – 48hrs - Daphnia magna OECD 202

Mobility: This material will float on water. For other Physio-chemical properties see section 9.

Biodegradation: Inherently Biodegradable

Bioaccumulation potential: Bioaccumulation is unlikely due to the very low water solubility of this product. Bioavailability to aquatic organisms is minimal.

Other Ecological information: Although not toxic to vertebrates and invertebrates, spilled material may affect organisms (especially small invertebrates) by physical smothering leading to or by deoxygenation of the water below the oil film.

Results of PBT and vPvB assessment: This substance does not fulfil the criteria for being classed as a PBT or vPvB substance.

13 Disposal Considerations

13.1 Waste treatment methods: Transport to authorised waste location, or incinerate under controlled conditions (EU Directives)

14. Transport Information

UN number:	Not Classified.
UN Proper shipping name:	Not Classified
Transport Hazard Class(es):	Not Classified
Packing Group:	Not Classified
Environmental Hazards:	None
Special Precautions for user:	None

Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not Classified

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

EU Regulations Directive 67/548/EC

Regulation [EC] 1272/2008

Regulation [EC] 1907/2006

15.2 Chemical Safety Assessment: The supplier has not performed a chemical safety assessment of this substance.

16. Other Information

16.1 Acronyms & Abbreviations

PNEC	Predicted No Effect Level
DNEL	Derived No Effect Level
LD50	Median Lethal Dose
LC50	Median Lethal Concentration
CAS	No Chemical Abstract Services number
CLP	Classification Labelling and Packaging Regulation
ES	Exposure Scenario
EC	European Commission
EC	No European Chemical Number – EINECS - ELINCS
ECHA	European Chemical Agency
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances.
SU	Sector of Use

16.2 DISCLAIMER:

The information and recommendations contained herein are, to the best of Vapor-Tek Limited's knowledge and belief, accurate and reliable as of the date issued, but is offered without guarantee or warranty. They relate to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Conditions of use of the material are under the control of the user. Therefore, it is the user's responsibility to satisfy their self as to the suitability and completeness of such information for their own particular use.

Date of Amendment	Amendment	Issue no.	Notes
25/09/2019	Document Created	1.0	S.Lambert
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