

Material Safety Data Sheet

SDS date: 24-10-2017

SDS version: 1.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Trade Name: Steel polish

Product- no.: 6868, 6878, 6888

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended uses: Steel polish.

1.3. Details of the supplier of the safety data sheet

Company and address

Sterling Polish Company A/S

Nybrovej 95

DK-2820 Gentofte

Tlf.: +45 45 87 70 44

Contact person and E-mail:

Hans Rasmussen, hgr@sterlingpolish.dk

The Safety data sheet is completed and validated by:

mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: HG

1.4. Emergency telephone number

Use your national or local emergency number - See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP (1272/2008): Flam. Liq. 3;H226, Asp. Tox. 1;H304, Skin Irrit. 2;H315, Eye Dam. 1;H318, STOT RE 1;H372, Aquatic Chronic 2;H411, EUH066.

See full text of H-phrases in section 16.

2.2. Label elements



Signal word:

Danger

According to EU regulation 1907/2006 (REACH)

Flammable liquid and vapour. (H226)

May be fatal if swallowed and enters airways. (H304)

Causes skin irritation. (H315)

Causes serious eye damage. (H318)

Causes damage to organs through prolonged or repeated exposure. (H372)

Toxic to aquatic life with long lasting effects. (H411)

Repeated exposure may cause skin dryness or cracking. (EUH066)

If medical advice is needed, have product container or label at hand. (P101)

Keep out of reach of children. (P102)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)

Avoid release to the environment. (P273)

Wear protective gloves/protective clothing/eye protection/face protection. (P280)

IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Do NOT induce vomiting. (P301+P310+P331)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. (P305+P351+P338+P310)

Get medical advice/attention if you feel unwell. (P314)

Dispose of contents/container in accordance with local regulation. (P501)

2.3. Other hazards

The product contains organic solvents. Repeated exposure to organic solvents may cause damage to the central nervous system and internal organs fx. liver and kidney.

Additional labelling:

-

Additional warnings:

-

SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

Substance	EU-Index no.	Cas / EINECS no.	CLP-classification	w/w%	Note
Naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	649-330-00-2	64742-82-1/ 265-185-4	Flam. Liq. 3;H226, STOT RE 1;H372, Asp. Tox. 1;H304, Aquatic Chronic 2;H411	10-30	1
Naphtha (petroleum), hydrodesulfurized light, dearomatized (<0,1% benzene)	-	-/ 927-510-4	Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Aquatic Chronic 2;H411	10-15	1
Alcohols, ethoxylated (7EO)	-	68213-23-0/ 500-201-8	Acute Tox. 4;H302, Eye Dam. 1;H318, Aquatic Aqute 1;H400, Aquatic Chronic 1;H410	1-5	-
Alcohols, C9-11, ethoxylated >15-20 EO	-	68439-46-3/ 614-482-0	Acute Tox. 4;H302, Eye Dam. 1;H318	1-5	-
Cyclohexane	-	110-82-7/ 203-806-2	Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Aquatic Acute 1;H400, Aquatic Chronic 1;H410	>0,1	1

1 = The substance is an organic solvent.

See full text of H-phrases in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Seek fresh air. Keep victim under observation. Seek medical advice in case of persistent discomfort.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Do not induce vomiting. If vomiting occurs, keep head low so that stomach contents do not enter lungs. Seek medical advice immediately.
Skin contact:	Immediately remove contaminated clothing. Wash skin thoroughly with soap and water. Seek medical advice in case of discomfort.
Eye contact:	Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained.
Burns:	Flush with water until pain ceases. Remove clothing that is not stuck to the skin – seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.
Additional information:	When obtaining medical advice, show the safety data sheet or label. Symptoms: See section 11.

4.2. Most important symptoms and effects, both acute and delayed

May cause chemical pneumonia if ingested or vomited. Symptoms of poisoning may occur even after several hours. In case of ingestion of the product, keep patient under medical observation for at least 48 hours.

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens. Causes serious eye damage.

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

When obtaining medical advice, show the safety data sheet or label.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Extinguish with powder, foam or carbon dioxide. Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Avoid inhalation of vapour and fumes – seek fresh air. Hazardous fumes are formed in fire conditions. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Use water or water mist to cool non-ignited stock.

5.3. Advice for firefighters

Send contaminated extinguishing water for destruction. Emergency-response personnel: protective suit equivalent to EN 368, type 3, is recommended.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8 for type of protective equipment. Avoid breathing and contact with skin and eyes. Stay upwind/keep distance from source. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water - See section 12. Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers. Wipe up minor spills with a cloth. See section 13 for instructions on disposal.

6.4. Reference to other sections

See above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section 8 for information about precautions for use and personal protective equipment. Smoking and naked flames prohibited. Running water and eye wash equipment should be available. Use the product under well-ventilated conditions.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Avoid direct sunlight. Keep in tightly closed original packaging.

Store fireproof. Storage for flammable liquids must follow local regulations for flammable stock.

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits according to EH40/2005 Workplace exposure limits (Second edition, 2011):

Substance	Long-term exposure limit	Short-term exposure limit	Note
Cyclohexane	100 ppm - 350 mg/m ³	300 ppm - 1050 mg/m ³	-

DNEL and PNEC values:

DNEL - C12-C18 Fedtalkohol, ethoxyleret (7E0):

Dermal	Long Term	Systemic effects	Workers	2080 mg/kg bw/day
Inhalation	Long Term	Systemic effects	Workers	294 mg/m ³
Oral	Long Term	Systemic effects	General population	25 mg/kg bw/day
Dermal	Long Term	Systemic effects	General population	1250 mg/kg bw/day
Inhalation	Long Term	Systemic effects	General population	87 mg/m ³

DNEL - Fedtalkoholethoxylat C9-11 >-15-20 EO:

Dermal	Long Term	Systemic effects	Workers	2080 mg/kg bw/day
Inhalation	Long Term	Systemic effects	Workers	294 mg/m ³
Oral	Long Term	Systemic effects	General population	25 mg/kg bw/day
Dermal	Long Term	Systemic effects	General population	1250 mg/kg bw/day
Inhalation	Long Term	Systemic effects	General population	87 mg/m ³

According to EU regulation 1907/2006 (REACH)

DNEL – Cyclohexan:

Inhalation	Short term	Systemic effects	Workers	700 mg/m ³
Inhalation	Short term	Local effects	Workers	700 mg/m ³
Dermal	Long Term	Systemic effects	Workers	2016 mg/kg bw/day
Inhalation	Long Term	Systemic effects	Workers	700 mg/m ³
Inhalation	Long Term	Local effects	Workers	700 mg/m ³
Inhalation	Short term	Systemic effects	General population	412 mg/m ³
Inhalation	Short term	Local effects	General population	412 mg/m ³
Oral	Long Term	Systemic effects	General population	59.4 mg/kg bw/day
Dermal	Long Term	Systemic effects	General population	1186 mg/kg bw/day
Inhalation	Long Term	Systemic effects	General population	206 mg/m ³
Inhalation	Long Term	Local effects	General population	206 mg/m ³

PNEC - C12-C18 Fedtalkohol, ethoxyleret (7EO):

Water	Fresh	0.048 mg/L
Water	Marine	0.048 mg/L
Water	Intermittent releases	0.0041 mg/L
Soil	-	1 mg/kg soil dw

PNEC - Fedtalkoholethoxylat C9-11 >-15-20 EO:

Water	Fresh	0.104 mg/L
Water	Marine	0.104 mg/L
Soil	-	1 mg/kg soil dw

PNEC – Cyclohexan:

Water	Fresh	0.207 mg/L
Water	Marine	0.207 mg/L
Water	Intermittent releases	0.207 mg/L
Soil	-	2.99 mg/kg soil dw

8.2. Exposure controls

There are no exposure scenarios for this product.

Appropriate engineering controls:

Wash hands before breaks, before using restroom facilities, and at the end of the work. Wear the personal protective equipment specified below.

Personal protective equipment:



Breathing equipment:	In case of insufficient ventilation, wear respiratory protective equipment with filter A (EN 140).
Hand protection:	Plastic or rubber gloves recommended (EN 374). Penetration time: N/A. Change gloves often.
Eye protection:	Wear safety goggles/face protection (EN 166).
Body and skin protection:	Not required.

Environmental exposure controls:

Make sure that when using the product damming material is available in immediate vicinity. If possible use spillage tray during work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Liquid
Odour:	-
Odour threshold:	-
pH:	-
Melting point/ Freezing Point (°C):	-
Initial boiling point and boiling range (°C):	-
Flash point (°C):	27,5
Evaporation rate:	-
Flammability (solid, gas)	-
Upper / lower flammability or explosion limits (vol-%):	-
Vapour pressure (mbar, 25 °C):	-
Vapour density (air=1)	-
Relative density:	-
Solubility(ies)	Not soluble with water
Partition coefficient: n-octanol/water:	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
Viscosity (mm ² /sek):	-
Explosive properties:	-
Oxidising properties:	-

9.2. Other information

Content of solids (%):	-
Surface tension (mN/m, 25 °C):	-

SECTION 10: Stability and reactivity

10.1. Reactivity

Non-reactive.

10.2. Chemical stability

Flammable liquid and vapour. The product is stable when used in accordance with the supplier's directions.

Combustible at temperatures above the flash point.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and toxic gases may be released.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Route of exposure	Species	Test	Result
Naphtha (petroleum), hydrodesulfurized heavy	Oral	rat	LD50	> 5000 mg/kg bw
Naphtha (petroleum), hydrodesulfurized heavy	Inhalation	rat	LC50 / 4 h	> 5610 mg/m ³ air
Naphtha (petroleum), hydrodesulfurized heavy	Dermal	rabbit	LD50	> 2000 mg/kg bw
Naphtha (petroleum), hydrodesulfurized light, dearomatized	Oral	Rat	LD50	8 mL/kg bw
Naphtha (petroleum), hydrodesulfurized light, dearomatized	Inhalation	Rat	LC50 / 4 h	23.3 mg/L air
Naphtha (petroleum), hydrodesulfurized light, dearomatized	Dermal	Rat	LD50	2800 - 3100 mg/kg bw
Alcohols, ethoxylated (7EO)	Inhalation	rat	LC50 / 4 h	> 1.6 mg/L air
Alcohols, ethoxylated (7EO)	Dermal	Rabbit	LD50	2000- 3000 mg/kg bw
Alcohols, C9-11, ethoxylated >15-20 EO	Oral	Rat	LD50	3488 mg/kg bw
Alcohols, C9-11, ethoxylated >15-20 EO	Inhalation	Rat	LC50 / 6 h	> 100 mg/m ³ air
Alcohols, C9-11, ethoxylated >15-20 EO	Dermal	Rat	LD50	2000 mg/kg bw
Cyclohexane	Oral	rat	LD50	5000 mg/kg bw
Cyclohexane	Inhalation	rat	LC50 / 4 h	5540 ppm
Cyclohexane	Dermal	rabbit	LD50	2000 mg/kg bw

Symptoms:

Inhalation: The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

Ingestion: May be fatal if swallowed and enters airways.

Skin contact: Irritating to skin – may cause reddening. Repeated exposure may cause skin dryness or cracking.

Eye contact: Causes serious eye damage.

Long term effects:

May cause chemical pneumonia if ingested or vomited.

Prolonged or repeated inhalation of vapours may cause damage to the central nervous system.

May cause damage to organs through prolonged or repeated exposure.

Causes damage to organs through prolonged or repeated exposure.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
Naphtha (petroleum), hydrodesulfurized heavy	48h	Fish	LC50	5.4 mg/L
Naphtha (petroleum), hydrodesulfurized heavy	96 h	Algae	EC50	64 mg/L
Alcohols, ethoxylated (7EO)	96 h	Fish	LC50	0.876 - 1.2 mg/L
Alcohols, ethoxylated (7EO)	48 h	Daphnia	EC50	2.7 mg/L
Alcohols, ethoxylated (7EO)	72 h	Algae	EC50	0.19 - 0.41 mg/L
Alcohols, C9-11, ethoxylated	96 h	Fish	LC50	5-7 mg/L
Alcohols, C9-11, ethoxylated	48 h	Daphnia	EC50	2.5 mg/L
Alcohols, C9-11, ethoxylated >15-20 EO	72 h	Algae	EC50	1.4 mg/L
Cyclohexane	96 h	Fish	LC50	4.53 mg/L
Cyclohexane	48 h	Daphnia	EC50	900 - 2400 µg/L
Cyclohexane	72 h	Algae	EC50	3.4 - 9.317 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Naphtha (petroleum), hydrodesulfurized heavy	Yes	OECD Guideline 301 F	77.05 % after 28 days
Naphtha (petroleum), hydrodesulfurized light	Yes	OECD Guideline 301 F	98% after 28 days
Alcohols, ethoxylated (7EO)	Yes	OECD Guideline 301 F	95% after 28 days
Alcohols, C9-11, ethoxylated >15-20 EO	Yes	ISO 14593 Water quality	72% after 28 days
Cyclohexane	Yes	OECD Guideline 301 F	77 % after 28 days

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
Alcohols, ethoxylated (7EO)	Yes	2.03 - 7.72	-
Alcohols, C9-11, ethoxylated >15-20 EO	Yes	3.3 - 3.73	-
Cyclohexane	Yes	3,44	-

12.4. Mobility in soil

-

12.5. Results of PBT and vPvB assessment

The mixture does not meet the criteria for PBT or vPvB.

12.6. Other adverse effects

Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Empty packaging must be disposed of through the municipal waste collection service for hazardous waste.

EWC Code

16 05 08

15 02 02

Specific labelling

-

Contaminated packaging:

Uncleansed packaging is to be disposed of via the local waste-removal scheme.

SECTION 14: Transport information

The product is covered by the rules for transport of dangerous goods.

14.1 -14.4.

ADR

UN number	UN proper shipping name	Transport hazard class(es)	Packing group
1993	FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrodesulfurized heavy, Naphtha (petroleum), hydrodesulfurized light)	3	III

IMDG

UN number	UN proper shipping name	Transport hazard class(es)	Packing group
1993	FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrodesulfurized heavy, Naphtha (petroleum), hydrodesulfurized light)	3	III

14.5. Environmental hazards

If the quantity transported exceeds 5 kg or litre must be labelled with an environmental hazard.

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

SECTION 15: Regulatory information

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

-

Restrictions for application:

-

Demands for specific education:

-

Additional labelling:

Declaration in accordance to the EU regulation no. 648/2004:

Aliphatic hydrocarbons >30%, non-ionic surfactants <5%.

According to EU regulation 1907/2006 (REACH)

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Other information:

Sources:

EC regulation 1907/2006 (REACH).

Directive 2000/532/EC.

EC Regulation 1272/2008 (CLP).

EH40/2005 WELs (United Kingdom (UK), 8/2007).

Full text of H-phrases as mentioned in section 2+3:

H225 - Highly flammable liquid and vapour.

H226 - Flammable liquid and vapour.

H302 - Harmful if swallowed.

H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H336 - May cause drowsiness or dizziness.

H372 - Causes damage to organs through prolonged or repeated exposure.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

H411 - Toxic to aquatic life with long lasting effects.

EUH066 - Repeated exposure may cause skin dryness or cracking.

Other

-

Minor changes have been made in following sections:

1 – 16 – General update.

This material safety data sheet replaces version:

1.0 (02-01-2017)
