

Material Safety Data Sheet

SDS date: 19-09-2017

SDS version: 1.0

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

1.1. Product Identifier

Trade Name: Sterling Dollar Universal Metal Cleaning
Product- no.: 1250

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

Recommended uses: Surface treatment of metal.

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: DH

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): Skin Irrit. 2;H315, Eye Dam. 1;H318, STOT RE 1;H372, EUH066.
See full text of H-phrases in section 16.

2.2. Label elements



Signal word:

Danger

According to EU regulation 1907/2006 (REACH)

Causes skin irritation. (H315)

Causes serious eye damage. (H318)

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

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)

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

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:

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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), hydrodesulphurized heavy (<0,1% Benzene)	649-330-00-2	64742-82-1/ 265-185-4	Asp. Tox. 1;H304, STOT RE 1;H372, EUH066	30-60	1, 2
Kaolin	-	1332-58-7/ 310-194-1	-	20-40	3
Quartz	-	14808-60-7/ 238-878-4	-	20-40	3
Ethanol	603-002-00-5	64-17-5/ 200-578-6	Flam Liq. 2;H225	1-5	1
Ammonia	007-001-01-2	1336-21-6/ 215-647-6	Skin Corr. 1B;H314, Aquatic Acute 1;H400	1-5	-

1 = The substance is an organic solvent. 2 = Asp. Tox. 1;H304 is not applicable due to the high viscosity of the product. 3 = The substance has a national exposure limit.

For the wording of the listed risk phrases refer to 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 discomfort.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice immediately.
Skin contact:	Remove contaminated clothing. Wash skin 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.
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

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. Use water or water mist to cool non-ignited stock.

5.2. Special hazards arising from the substance or mixture

Avoid inhalation of vapour and fumes – seek fresh air. Can generate harmful flue gases containing carbon monoxide in the event of fire. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

5.3. Advice for firefighters

Send contaminated extinguishing water for destruction. Deployment personnel: normal protective clothing equivalent to EN 469 is recommended. If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

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.

6.2. Environmental precautions

Avoid unnecessary release to the environment - 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 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. Running water and eye wash equipment must 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. Keep in tightly closed original packaging. Avoid direct sunlight.

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
Alkanes ≥ 7	1200 mg/m ³	-	-
Kaolin, respirable dust	2 mg/m ³	-	-
Silica, amorphous Inhalable dust	6 mg/m ³	-	-
Respirable dust	2,4 mg/m ³	-	-
Ethanol	1000 ppm – 1920 mg/m ³	-	-
Ammonia, anhydrous	25 ppm – 18 mg/m ³	35 ppm – 25 mg/m ³	-

DNEL and PNEC values:

DNEL – Ethanol:

Inhalation	Short term	Local effects	Workers	1900 mg/m ³
Dermal	Long Term	Systemic effects	Workers	343 mg/kg bw/day
Inhalation	Long Term	Systemic effects	Workers	950 mg/m ³
Inhalation	Short term	Local effects	General population	950 mg/m ³
Oral	Long Term	Systemic effects	General population	87 mg/kg bw/day
Dermal	Long Term	Systemic effects	General population	206 mg/kg bw/day
Inhalation	Long Term	Systemic effects	General population	114 mg/m ³

DNEL – Ammonia:

Dermal	Short term	Systemic effects	Workers	6.8 mg/kg bw/day
Inhalation	Short term	Systemic effects	Workers	47.6 mg/m ³
Inhalation	Short term	Local effects	Workers	36 mg/m ³
Dermal	Long Term	Systemic effects	Workers	6.8 mg/kg bw/day
Inhalation	Long Term	Systemic effects	Workers	47.6 mg/m ³
Inhalation	Long Term	Local effects	Workers	14 mg/m ³
Oral	Short term	Systemic effects	General population	6.8 mg/kg bw/day
Dermal	Short term	Systemic effects	General population	68 mg/kg bw/day
Inhalation	Short term	Systemic effects	General population	23.8 mg/m ³
Inhalation	Short term	Local effects	General population	7.2 mg/m ³
Oral	Long Term	Systemic effects	General population	6.8 mg/kg bw/day
Dermal	Long Term	Systemic effects	General population	68 mg/kg bw/day
Inhalation	Long Term	Systemic effects	General population	23.8 mg/m ³
Inhalation	Long Term	Local effects	General population	2.8 mg/m ³

PNEC – Ethanol:

Water	Fresh	0.96 mg/L
Water	Marine	0.79 mg/L
Water	Intermittent releases	2.75 mg/L
Soil	-	0.63 mg/kg soil dw

PNEC – Ammonia:

Water	Fresh	0.001 mg/L
Water	Marine	0.001 mg/L
Water	Intermittent releases	0.007 mg/L

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 136/140/145).
Hand protection:	Wear protective gloves made of nitrile rubber (EN 374). Penetration time: N/A. Change gloves if contaminated.
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:	Viscous liquid
Odour:	Solvent
Odour threshold:	-
pH:	-
Melting point/ Freezing Point (°C):	-
Initial boiling point and boiling range (°C):	-
Flash point (°C):	-
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)	-
Partition coefficient: n-octanol/water:	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
Viscosity (mm ² /sek):	-
Explosive properties:	-
Oxidising properties:	-

9.2. Other information

Solubility:	-
Surface tension (mN/m, 25 °C):	-

SECTION 10: Stability and reactivity

10.1. Reactivity

Non-reactive.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

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 such as CO_x may be released.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Route of exposure	Species	Test	Result
Naphtha (petroleum), hydrodesulphurized heavy	Oral	Rat	LD50	> 5000 mg/kg bw
Naphtha (petroleum), hydrodesulphurized heavy	Inhalation	Rat	LC50 / 4 h	> 5610 mg/m ³ air
Naphtha (petroleum), hydrodesulphurized heavy	Dermal	Rabbit	LD50	> 2000 mg/kg bw
Ethanol	Oral	Rat	LD50	10470 mg/kg bw
Ethanol	Inhalation	Rat	LC50 / 4 h	124.7 mg/L air
Ethanol	Dermal	Rabbit	LD50	> 20000 mL/kg bw
Ammonia	Oral	Rat	LD50	350 mg/kg bw
Ammonia	Inhalation	Rat	LC50 / 60 mins	9850 mg/m ³ air

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: Ingestion may cause discomfort.

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:

Causes damage to organs through prolonged or repeated exposure.

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

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
Naphtha (petroleum), hydrodesulphurized heavy	48h	Fish	LC50	5.4 mg/L
Naphtha (petroleum), hydrodesulphurized heavy	96 h	Algae	EC50	64 mg/L
Ethanol	96 h	Fish	LC50	14.2 g/L
Ethanol	48 h	Daphnia	LC50	5012 mg/L
Ethanol	72 h	Algae	EC50	275 mg/L
Ammonia	96 h	Fish	LC50	0.75 - 3.4 mg/L
Ammonia	48 h	Daphnia	LC50	101 mg/L
Ammonia	18 days	Algae	EC50	2700 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Naphtha (petroleum), hydrodesulphurized heavy	Yes	OECD Guideline 301 F	77.05 % after 28 days
Ethanol	Yes	OECD Guideline 301 B	97% after 28 days

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
Ethanol	No	-0,35	-

12.4. Mobility in soil

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12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Contact the local authorities.

EWC Code

16 05 08

15 02 02

Specific labelling

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Contaminated packaging:

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

SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR and IMDG.

14.1 -14.4.

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14.5. Environmental hazards

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14.6. Special precautions for user

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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

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Restrictions for application:

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. Young people above 15 years are exempted this rule, if the product is a part of an education/training.

Demands for specific education:

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Additional labelling:

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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).

EC Regulation 178/2002.

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.

H304 - May be fatal if swallowed and enters airways.

H314 - Causes severe skin burns and eye damage.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

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

H400 - Very toxic to aquatic life.

According to EU regulation 1907/2006 (REACH)

Other

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Minor changes have been made in following sections:

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This material safety data sheet replaces version:

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