

## Material Safety Data Sheet

SDS date: 29-11-2018

SDS version: 1.1

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

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#### 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.

Uses advised against: This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

#### 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  
[www.sterlingpolish.dk](http://www.sterlingpolish.dk)

##### Contact person and E-mail:

Hans Rasmussen, [hgr@sterlingpolish.dk](mailto: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

NHS: 111

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

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### SECTION 2: Hazards identification

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#### 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:

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## SECTION 3: Composition/information on ingredients

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### 3.1./3.2. Substances/Mixtures

| Substance   | EU-Index no./<br>REACH-Reg. no. | Cas /<br>EINECS no.      | CLP-classification                          | w/w%  | Note |
|---|---------------------------------|--------------------------|---|-------|------|
| Naphtha (petroleum),<br>hydrodesulphurized heavy<br>(<0,1% benzene) | 649-330-00-2/-                  | 64742-82-1/<br>265-185-4 | Asp. Tox. 1;H304, STOT RE 1;H372,<br>EUH066 | 30-60 | 1, 2 |
| Kaolin  | -/-                             | 1332-58-7/<br>310-194-1  | -   | 20-40 | 3    |
| Quartz  | -/-                             | 14808-60-7/<br>238-878-4 | -   | 20-40 | 3    |
| Ethanol   | 603-002-00-5/-                  | 64-17-5/<br>200-578-6    | Flam Liq. 2;H225                            | 1-5   | 1    |
| Ammonia   | 007-001-01-2/-                  | 1336-21-6/<br>215-647-6  | Skin Corr. 1B;H314, Aquatic Acute<br>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.

See full text of H-phrases in section 16.

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## SECTION 4: First aid measures

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### 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 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.<br>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.

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## SECTION 5: Firefighting measures

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### 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. Product decomposes in fire conditions and toxic gases such as CO<sub>x</sub> may be released. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

### 5.3. Advice for firefighters

Fire fighters should wear appropriate protective equipment. If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

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## SECTION 6: Accidental release measures

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### 6.1. Personal precautions, protective equipment and emergency procedures

See section 8 for type of protective equipment. Deployment personnel: normal protective clothing equivalent to EN 469 is recommended. Avoid breathing and contact with skin and eyes.

### 6.2. Environmental precautions

Do not discharge large quantities of concentrated spills and residue into drains - See section 12.

### 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. Use the product under well-ventilated conditions. Smoking and naked flames prohibited. Running water and eye wash equipment must be available.

### 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.

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 (Third edition, 2018):

| Substance                           | Long-term exposure limit          | Short-term exposure limit     | Note |
|-------------------------------------|-----------------------------------|-------------------------------|------|
| Kaolin, respirable dust             | 2 mg/m <sup>3</sup>               | -                             | -    |
| Silica, amorphous<br>Inhalable dust | 6 mg/m <sup>3</sup>               | -                             | -    |
| Respirable dust                     | 2,4 mg/m <sup>3</sup>             | -                             | -    |
| Ethanol                             | 1000 ppm – 1920 mg/m <sup>3</sup> | -                             | -    |
| Ammonia, anhydrous                  | 25 ppm – 18 mg/m <sup>3</sup>     | 35 ppm – 25 mg/m <sup>3</sup> | -    |

### DNEL and PNEC values:

DNEL - Naphtha (petroleum), hydrodesulphurized heavy:

#### Workers

Inhalation - Acute Systemic 1300 mg/m<sup>3</sup>

Inhalation - Chronic Local 840 mg/m<sup>3</sup>

Inhalation - Acute Local 1100 mg/m<sup>3</sup>

#### Consumers

Inhalation - Acute Systemic 1200 mg/m<sup>3</sup>

Inhalation - Chronic Local 180 mg/m<sup>3</sup>

Inhalation - Acute Local 640 mg/m<sup>3</sup>

#### DNEL – Ethanol:

#### Workers

Inhalation - Chronic Systemic 950 mg/m<sup>3</sup>

Dermal - Chronic Systemic 343 mg/kg bw/day

#### Consumers

Inhalation - Chronic Systemic 114 mg/m<sup>3</sup>

Dermal - Chronic Systemic 206 mg/kg bw/day

Oral - Chronic Systemic 87 mg/kg bw/day

#### PNEC – Ethanol:

Fresh water 0.96 mg/L

Intermittent releases (Fresh water) 2.75 mg/L

Marine water 0.79 mg/L

Soil 0.63 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:



|                         |   |
|-------------------------|---|
| Respiratory protection: | 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).   |
| Eye/face protection:    | Wear safety goggles/face protection (EN 166).   |
| 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):                                       | > 61                   |
| 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 <sup>2</sup> /sek):                       | -                      |
| Explosive properties:                                   | -                      |
| Oxidising properties:                                   | -                      |

### 9.2. Other information

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

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## SECTION 10: Stability and reactivity

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### 10.1. Reactivity

No data.

### 10.2. Chemical stability

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

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<sub>x</sub> may be released.

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## SECTION 11: Toxicological information

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### 11.1. Information on toxicological effects

**Acute toxicity:** Based on the existing data, the classification is not met.

| 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 hours | > 5610 mg/m <sup>3</sup> 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 hours | 116.9 mg/L air               |

**Skin corrosion/irritation:** Irritating to skin – may cause reddening. Repeated exposure may cause skin dryness or cracking.

**Serious eye damage/irritation:** Causes serious eye damage.

**Respiratory or skin sensitisation:** Based on the existing data, the classification is not met.

**Germ cell mutagenicity:** Based on the existing data, the classification is not met.

**Carcinogenicity:** Based on the existing data, the classification is not met.

**Reproductive toxicity:** Based on the existing data, the classification is not met.

**STOT-single exposure:** The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

**STOT-repeated exposure:** Causes damage to organs through prolonged or repeated exposure. Prolonged or repeated inhalation of vapours may cause damage to the central nervous system.

**Aspiration hazard:** Based on the existing data, the classification is not met.

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## SECTION 12: Ecological information

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### 12.1. Toxicity

| Substance | Test duration | Species | Test | Result    |
|-----------|---------------|---------|------|-----------|
| Ethanol   | 96 Hours      | Fish    | LC50 | 14.2 g/L  |
| Ethanol   | 48 Hours      | Daphnia | LC50 | 5012 mg/L |
| Ethanol   | 72 Hours      | Algae   | EC50 | 275 mg/L  |

### 12.2. Persistence and degradability

| Substance                                     | Biodegradability | Test                 | Result          |
|---|------------------|----------------------|-----------------|
| Naphtha (petroleum), hydrodesulphurized heavy | Yes              | OECD Guideline 301 F | 28 days: 77,05% |
| Ethanol                                       | Yes              | BOD                  | 5 days: 74%     |

### 12.3. Bioaccumulative potential

| Substance | Potential bioaccumulation | LogPow | BCF |
|-----------|---------------------------|--------|-----|
| Ethanol   | No                        | -0.35  | -   |

### 12.4. Mobility in soil

Test data are not available.

### 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.

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## SECTION 13: Disposal considerations

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### 13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste. Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

#### EWC Code

16 05 08

### Specific labelling

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### Contaminated packaging:

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

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## SECTION 14: Transport information

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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.

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**SECTION 15: Regulatory information**

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

**Sources:**

EH40/2005 Workplace exposure limits (Third edition, 2018).

**Restrictions for application:**

-

**Demands for specific education:**

-

**Additional labelling:**

-

**15.2. Chemical safety assessment**

Chemical safety assessment has not been performed.

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**SECTION 16: Other information**

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**Other information:**

**Sources:**

EC regulation 1907/2006 (REACH).

Directive 2000/532/EC.

EC Regulation 1272/2008 (CLP).

**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.

EUH066 - Repeated exposure may cause skin dryness or cracking.

| <b>Classification according to Regulation (EC) Nr. 1272/2008:</b> |                    |
|---|--------------------|
| Skin Irrit. 2;H315  | Calculation method |
| Eye Dam. 1;H318   | Calculation method |
| STOT RE 1;H372  | Calculation method |
| EUH066  | Calculation method |



According to EU regulation 1907/2006 (REACH)

**Abbreviations and acronyms used in the safety data sheet:**

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

**Other**

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

**Minor changes have been made in following sections:**

1-16 – Updates.

**This material safety data sheet replaces version:**

1.0 (19-09-2017).

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