

Safety data sheet according to 830/2015/EC

Printing date: 20.04.2016

Revision: 20.04.2016

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

- **1.1 Product identifier**
 - **Trade name:** Starrett Waterless Surface Plate Cleaner
 - **Product code:** 30852
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
 - **Sector of Use**
 - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
 - SU21 Consumer uses: Private households / general public / consumers
 - SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
 - **Application of the substance / the mixture:** Cleaning agent/ Cleaner
 - **Uses advised against:** Contact manufacturer.
- **1.3 Details of the supplier of the Safety Data Sheet**
 - **Manufacturer/Supplier:**
 - The L.S. Starrett Company
 - 121 Crescent St.
 - Athol, MA 01331
 - (978) 249-3551
- **1.4 Emergency telephone number:**
 - ChemTel Inc.
 - +1 (800)255-3924, +1 (813)248-0585

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
 - **Classification according to Regulation (EC) No 1272/2008**
 - Eye Irrit. 2 H319 Causes serious eye irritation.
 - Skin Sens. 1 H317 May cause an allergic skin reaction.
 - Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
 - Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
 - **Labelling according to Regulation (EC) No 1272/2008**
 - The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



GHS07 GHS08

- **Signal word** Danger
- **Hazard-determining components of labelling:**
 - Naphtha (petroleum), heavy alkylate
 - Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy, branched
 - 4-chloro-3,5-dimethylphenol
- **Hazard statements**
 - H319 Causes serious eye irritation.

(Cont'd. on page 2)

Safety data sheet

according to 830/2015/EC

Printing date: 20.04.2016

Revision: 20.04.2016

Trade name: Starrett Waterless Surface Plate Cleaner

(Cont'd. from page 1)

H317 May cause an allergic skin reaction.
 H304 May be fatal if swallowed and enters airways.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements








P261 Avoid breathing mist/vapours/spray.
 P264 Wash thoroughly after handling.
 P280 Wear protective gloves / eye protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P331 Do NOT induce vomiting.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards
Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Components:

CAS: 64741-65-7 EINECS: 265-067-2 Index number: 649-275-00-4	Naphtha (petroleum), heavy alkylate  Flam. Liq. 3, H226  Asp. Tox. 1, H304	25-40%
CAS: 127087-87-0 NLP: 500-315-8	Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy, branched  Eye Dam. 1, H318  Aquatic Chronic 2, H411  Acute Tox. 4, H302; Skin Irrit. 2, H315	3-5%
CAS: 102-71-6 EINECS: 203-049-8	2,2',2''-nitrilotriethanol substance with a Community workplace exposure limit	2,5-5%
CAS: 57-55-6 EINECS: 200-338-0	Propylene Glycol substance with a Community workplace exposure limit	2,5-5%
CAS: 68603-42-9 EINECS: 271-657-0	coconut diethanolamide  Skin Irrit. 2, H315; Eye Irrit. 2, H319	0,1-1%
CAS: 99-76-3 EINECS: 202-785-7	methyl 4-hydroxybenzoate Aquatic Chronic 3, H412	0,1-1%
CAS: 88-04-0 EINECS: 201-793-8 Index number: 604-038-00-4	4-chloro-3,5-dimethylphenol  Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	≤1%

SVHC

127087-87-0	Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy, branched
-------------	--

(Cont'd. on page 3)

Safety data sheet

according to 830/2015/EC

Printing date: 20.04.2016

Revision: 20.04.2016

Trade name: Starrett Waterless Surface Plate Cleaner

(Cont'd. from page 2)

- **Additional information:** For the wording of the listed Hazard Statements refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Take affected persons out into the fresh air.
- **After inhalation:**
Supply fresh air; consult doctor in case of complaints.
Provide oxygen treatment if affected person has difficulty breathing.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Immediately rinse with water.
Clean with water and soap.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
A person vomiting while laying on their back should be turned onto their side.
Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**
Breathing difficulty
Coughing
Allergic reactions
Gastric or intestinal disorders.
Nausea
Irritant to eyes.
- **Hazards:**
Danger of pulmonary oedema.
Danger of impaired breathing.
- **4.3 Indication of any immediate medical attention and special treatment needed**
Contains 4-chloro-3,5-dimethylphenol. May produce an allergic reaction.
If necessary oxygen respiration treatment.
Later observation for pneumonia and pulmonary oedema.
Medical supervision for at least 48 hours.
If swallowed or in case of vomiting, danger of entering the lungs.
Treat skin and mucous membrane with antihistamine and corticoid preparations.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** None.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.

(Cont'd. on page 4)

Safety data sheet

according to 830/2015/EC

Printing date: 20.04.2016

Revision: 20.04.2016

Trade name: Starrett Waterless Surface Plate Cleaner

(Cont'd. from page 3)

- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information:**
Eliminate all ignition sources if safe to do so.
Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Use respiratory protective device against the effects of fumes/dust/aerosol.
Particular danger of slipping on leaked/spilled product.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
- **6.2 Environmental precautions** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Pick up mechanically.
Dispose contaminated material as waste according to section 13.
Clean the affected area carefully; suitable cleaners are:
Warm water and cleansing agent
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid splashes or spray in enclosed areas.
- **Information about fire - and explosion protection:**
When heated the product forms flammable fumes.
Flammable gas-air mixtures may form in empty receptacles.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Do not store together with oxidising and acidic materials.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.

(Cont'd. on page 5)

Safety data sheet

according to 830/2015/EC

Printing date: 20.04.2016

Revision: 20.04.2016

Trade name: Starrett Waterless Surface Plate Cleaner

Protect from humidity and water.

(Cont'd. from page 4)

- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

64741-65-7 Naphtha (petroleum), heavy alkylate	
MAK (Germany)	vgl.Abschn.Xb
102-71-6 2,2',2''-nitritriethanol	
MAK (Germany)	Long-term value: 5E mg/m ³
57-55-6 Propylene Glycol	
WEL (Great Britain)	Long-term value: 474* 10** mg/m ³ , 150* ppm *total vapour and particulates **particulates
MAK (Germany)	als Dampf und Aerosol;vgl.Abschn.IIb und Xc

- **DNELs:** No further relevant information available.
- **PNECs:** No further relevant information available.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

- **Respiratory protection:**

Use suitable respiratory protective device when aerosol or mist is formed.

Use suitable respiratory protective device in case of insufficient ventilation.

For spills, respiratory protection may be advisable.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

- **Material of gloves**

(Cont'd. on page 6)

Safety data sheet

according to 830/2015/EC

Printing date: 20.04.2016

Revision: 20.04.2016

Trade name: Starrett Waterless Surface Plate Cleaner

(Cont'd. from page 5)

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Safety glasses

- **Body protection:** Protective work clothing

- **Limitation and supervision of exposure into the environment:**

No further relevant information available.

- **Risk management measures:**

See Section 7 for additional information.

No further relevant information available.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **Appearance**

Form: Pasty
Colour: Whitish

- **Odour:** Pleasant

- **Odour threshold:** Not determined.

- **pH-value at 20 °C:** 7,5 - 8,5

- **Melting point/Melting range:** Not determined.

- **Boiling point/Boiling range:** Not determined.

- **Flash point:** Not applicable.

- **Flammability (solid, gaseous):** Not applicable.

- **Auto/Self-ignition temperature:** Not determined.

- **Decomposition temperature:** Not determined.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits**

Lower: Not determined.
Upper: Not determined.

- **Vapour pressure:** Not determined.

- **Density:** Not determined.

- **Relative density:** Not determined.

- **Vapour density:** Not determined.

(Cont'd. on page 7)

Safety data sheet

according to 830/2015/EC

Printing date: 20.04.2016

Revision: 20.04.2016

Trade name: Starrett Waterless Surface Plate Cleaner

(Cont'd. from page 6)

- | | |
|---|--|
| · Evaporation rate: | Not determined. |
| · Solubility in / Miscibility with water: | Partly miscible. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| · 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions**
Reacts violently with oxidising agents.
Toxic fumes may be released if heated above the decomposition point.
Reacts with strong acids and alkali.
- **10.4 Conditions to avoid** Store away from oxidising agents.
- **10.5 Incompatible materials** No further relevant information available.
- **10.6 Hazardous decomposition products**
Carbon monoxide and carbon dioxide
Halogenated hydrocarbons
Nitrogen oxides

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

64741-65-7 Naphtha (petroleum), heavy alkylate

Oral	LD50	> 6000 mg/kg (rat)
Dermal	LD50	> 3000 mg/kg (rabbit)
Inhalative	LC50/4h	> 7,8 mg/l (rat)

- **Primary irritant effect**
- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation:**
Causes serious eye irritation.
- **Respiratory or skin sensitisation:**
May cause an allergic skin reaction.

(Cont'd. on page 8)

Safety data sheet

according to 830/2015/EC

Printing date: 20.04.2016

Revision: 20.04.2016

Trade name: Starrett Waterless Surface Plate Cleaner

(Cont'd. from page 7)

· **IARC (International Agency for Research on Cancer):**

102-71-6	2,2',2''-nitriлотriethanol	3
----------	----------------------------	---

· **Probable routes of exposure:**

Ingestion.
Inhalation.
Eye contact.
Skin contact.

· **Acute effects (acute toxicity, irritation and corrosivity):**

Irritating to eyes.
May be fatal if swallowed and enters airways.

· **Repeated dose toxicity:** May cause an allergic skin reaction.

· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

· **Carcinogenicity:** Based on available data, the classification criteria are not met.

· **Reproductive toxicity:** Based on available data, the classification criteria are not met.

· **STOT-single exposure:** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

· **Aspiration hazard:**

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **12.2 Persistence and degradability**

The product is partially biodegradable. Significant residuals remain.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**

· **Remark:**

Due to mechanical actions of the product (e.g. agglutinations), damages may occur.
The product is oxygen-consuming. The declared action may be partly caused by lack of oxygen.

· **Additional ecological information:**

· **General notes:**

This statement was deduced from the properties of the single components.
Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

(Cont'd. on page 9)

Safety data sheet

according to 830/2015/EC

Printing date: 20.04.2016

Revision: 20.04.2016

Trade name: Starrett Waterless Surface Plate Cleaner

(Cont'd. from page 8)

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- **14.1 UN-Number**

- DOT, ADR, IMDG, IATA Not Regulated

- **14.2 UN proper shipping name**

- DOT, ADR, IMDG, IATA Not Regulated

- **14.3 Transport hazard class(es)**

- DOT, ADR, IMDG, IATA

- Class Not Regulated

- **14.4 Packing group**

- DOT, ADR, IMDG, IATA Not Regulated

- **14.5 Environmental hazards:**

- Marine pollutant: No

- **14.6 Special precautions for user**

Not applicable.

- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

SECTION 15: Regulatory information

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

- **Carcinogenic Categories**

- **IARC (International Agency for Research on Cancer)**

102-71-6	2,2',2''-nitriлотриethanol	3
----------	----------------------------	---

(Cont'd. on page 10)

Safety data sheet

according to 830/2015/EC

Printing date: 20.04.2016

Revision: 20.04.2016

Trade name: Starrett Waterless Surface Plate Cleaner

(Cont'd. from page 9)

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients are listed.
- **Other regulations, limitations and prohibitive regulations**

Substances of very high concern (SVHC) according to REACH, Article 57

127087-87-0	Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy, branched
-------------	--

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

· **Abbreviations and acronyms:**

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
- HMS: Hazardous Materials Identification System (USA)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety & Health
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- Flam. Liq. 3: Flammable liquids, Hazard Category 3
- Acute Tox. 4: Acute toxicity, Hazard Category 4
- Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
- Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
- Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
- Asp. Tox. 1: Aspiration hazard, Hazard Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
- Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

· **Sources**

SDS Prepared by:
 ChemTel Inc.
 1305 North Florida Avenue
 Tampa, Florida USA 33602-2902

(Cont'd. on page 11)

Safety data sheet
according to 830/2015/EC

Printing date: 20.04.2016

Revision: 20.04.2016

Trade name: Starrett Waterless Surface Plate Cleaner

(Cont'd. from page 10)

Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573
Website: www.chemtelinc.com