

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

1.1 Product identifier

Product name: Solo

Other identification:

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

Hard surface cleaner

1.3 Details of the supplier of the safety data sheet

SwanTek

Mintsfeet Road South, Kendal, LA9 6ND, UK

Tel: +44 (0)1539 722247 Email: service@swantek.com Web: www.swantek.com

1.4 Emergency telephone number

As per section 1.3

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Skin Corr. 1A, H314

Eye Irrit. 2, H319

Full text of H-phrases: see section 16

2.2 Label elements

Hazard pictograms: CLP 05 Corrosive

(none)

(none)

(none)



Signal word: Danger

Hazard statements: H314 - Causes severe skin burns and eye damage

Precautionary statements: P264 - Wash hands thoroughly after handling
P280 - Wear eye protection, protective gloves
P302+P352 - IF ON SKIN: Wash with plenty of soap, water
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P362 - Take off contaminated clothing
P315 - Get immediate medical advice/attention

Other label elements:

2.3 Other hazards

No additional information available

Section 3: Composition / information on ingredients

3.1 Substances

3.2 Mixtures

Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether
(CAS No) Polymer_DT03
1-5%

Acute Tox. 4 (Oral), H302

Eye Dam. 1, H318

Sodium hydroxide, caustic soda

(CAS No) 1310-73-2, (EC no) 215-185-5, (EC index no) 011-002-00-6

1-5%

Skin Corr. 1A, H314

Section 4: First aid measures

4.1 Description of first aid measures

General: Get medical advice/attention if you feel unwell.

Inhalation: Remove person to fresh air and keep comfortable for breathing.

Ingestion: Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Get medical advice/attention.

Skin: Wash with plenty of soap and water. Take off immediately all contaminated clothing and wash it before reuse.

Eye: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Get immediate medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

General:

Inhalation: May cause respiratory irritation.

Ingestion: Burns.

Skin: Burns.

Eye: Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing media

Carbon dioxide. Dry powder. Foam.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Corrosive vapours.

5.3 Advice for firefighters

No additional information available

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate unnecessary personnel. Use personal protective equipment as required.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Collect spillage. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

6.4 Reference to other sections

For further information refer to sections 8 and 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures: Does not require any specific or particular technical measures.

Storage conditions: Keep container closed when not in use.

Incompatible products: Oxidizing agent. Strong acids.

Incompatible materials: Metals.

Special rules on packaging: Keep only in original container.

7.3 Specific end use(s)

No additional information available

Section 8: Exposure controls / personal protection

8.1 Control parameters

No additional information available

8.2 Exposure controls

Materials for protective clothing: Not required for normal conditions of use

Hand protection: Protective gloves

Eye protection: Safety glasses

Skin and body protection: Not required for normal conditions of use

Respiratory protection: Not required for normal conditions of use

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid
Colour	Blue
Odour	Odourless
pH	12
Relative density	1.02

9.2 Other information

No additional information available

Section 10: Stability and reactivity

10.1 Reactivity

No additional information available

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No additional information available

10.4 Conditions to avoid

No additional information available

10.5 Incompatible materials

Metals

10.6 Hazardous decomposition products

No additional information available

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Not classified

Skin corrosion/irritation: Causes severe skin burns and eye damage. pH: 12

Serious eye damage/irritation: Causes serious eye irritation. pH: 12

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

Section 12: Ecological information

12.1 Toxicity

Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether (Polymer_DT03)

LC50 fishes 1: > 10 - 100 mg/l

EC50 Daphnia 1: > 10 - 100 mg/l

ErC50 (other aquatic plants): > 10 - 100 mg/l

12.2 Persistence and degradability

No additional information available

12.3 Bioaccumulative potential

No additional information available

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

No additional information available

Section 13: Disposal considerations

13.1 Waste treatment methods

No additional information available

Section 14: Transport information

General

14.1 UN Number

UN-No. (ADR/ IMDG/ IATA): 1760

14.2 UN proper shipping name

Proper Shipping Name (ADR/ IMDG/ IATA): CORROSIVE LIQUID, N.O.S.

Transport document description (ADR): UN 1760 CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE), 8, III, (E)

Transport document description (IMDG): UN 1760 CORROSIVE LIQUID, N.O.S., 8, III

14.3 Transport hazard class(es)

Transport hazard class(es) (ADR/ IMDG/ IATA): 8

Danger labels (ADR/ IMDG/ IATA): 8 (Corrosive)

14.4 Packing group

Packing group (ADR/ IMDG/ IATA): III

14.5 Environmental hazards

Dangerous for the environment: No

Marine pollutant: No

Other information: No supplementary information available

14.6 Special precautions for user

- Overland transport

Classification code (ADR): C9

Special provisions (ADR): 274

Limited quantities (ADR): 5L

Excepted quantities (ADR): E1

Packing instructions (ADR): P001, IBC03, LP01, R001

Mixed packing provisions (ADR): MP19

Portable tank and bulk container instructions (ADR): T7

Portable tank and bulk container special provisions (ADR): TP1, TP28

Tank code (ADR): L4BN

Vehicle for tank carriage: AT

Transport category (ADR): 3

Special provisions for carriage - Packages (ADR): V12

Hazard identification number (Kemler No.): 80

Orange plates: 80/1760

Tunnel restriction code (ADR): E

EAC code: 2X

APP code: B

- Transport by sea

Special provisions (IMDG): 223, 274

Limited quantities (IMDG): 5L
Excepted quantities (IMDG): E1
Packing instructions (IMDG): P001, LP01
IBC packing instructions (IMDG): IBC03
Tank instructions (IMDG): T7
Tank special provisions (IMDG): TP1, TP28
EmS-No. (Fire): F-A
EmS-No. (Spillage): S-B
Stowage category (IMDG): A

- Air transport
PCA Excepted quantities (IATA): E1
PCA Limited quantities (IATA): Y841
PCA limited quantity max net quantity (IATA): 1L
PCA packing instructions (IATA): 852
PCA max net quantity (IATA): 5L
CAO packing instructions (IATA): 856
CAO max net quantity (IATA): 60L
Special provisions (IATA): A3
ERG code (IATA): 8L

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Not applicable.

Section 15: Regulatory information

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

EU-Regulations

Contains no substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

National regulations

Germany

VwVwS Annex reference: Water hazard class (WGK) 1, slightly hazardous to water (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Denmark

Recommendations Danish Regulation: Young people below the age of 18 years are not allowed to use the product

15.2 Chemical safety assessment

No additional information available

Section 16: Other information

Full text of H- and EUH-phrases:

Acute Tox. 4 (Oral): Acute toxicity (oral), Category 4

Eye Dam. 1: Serious eye damage/eye irritation, Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Category 2

Skin Corr. 1A: Skin corrosion/irritation, Category 1A

H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage

H318: Causes serious eye damage

H319: Causes serious eye irritation

The responsibility to ensure safe working conditions within the workplace remains with the user. The information on this SDS is given as a guide to the precautions required to maintain a safe work environment. This product is for professional use only. Not for sale or resale to the general public. Use in applications other than those described above may give rise to risks not covered by the information on this SDS. The physical and chemical properties on this SDS are typical properties and are not a specification. Please report any errors.