

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Clas Ohlson Facade Cleaner

Product no.

-

REACH registration number

Not applicable

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

Relevant identified uses of the substance or mixture

Cleaning agent

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

Clas Ohlson Ltd
10-13 Market Place
Kingston-upon-Thames
UK-KT1 1JZ Surrey
Tel. 845 3009 799

Contact person

E-mail

info@clasohlson.se

SDS date

2016-07-07

SDS Version

2.0

1.4. Emergency telephone number

111 (National Poisons Information Service (NPIS))

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Eye Dam. 1; H318

See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Causes serious eye damage. (H318)

Safety

General

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

According to EC-Regulation 2015/830

statement(s)

Prevention Response

Keep out of reach of children. (P102).
Wear eye protection. (P280).
Immediately call a POISON CENTER/doctor. (P310).
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
(P305+P351+P338).

Storage Disposal

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Identity of the substances primarily responsible for the major health hazards

Alcohol ethoxylate, Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides, Isotridecanol, ethoxylated

2.3. Other hazards

-

Additional labelling

-

Additional warnings

VOC

-

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME:	Alcohol ethoxylate
IDENTIFICATION NOS.:	CAS-no: 160875-66-1 EC-no: -
CONTENT:	3-5%
CLP CLASSIFICATION:	Eye Dam. 1 H318
NAME:	Ammonium chloride
IDENTIFICATION NOS.:	CAS-no: 12125-02-9 EC-no: 235-186-4 REACH-no: 01-2119487950-27 Index-no: 017-014-00-8
CONTENT:	3-5%
CLP CLASSIFICATION:	Acute Tox. 4, Eye Irrit. 2 H302, H319
NAME:	Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides
IDENTIFICATION NOS.:	CAS-no: 1554325-20-0 EC-no: -
CONTENT:	1-3%
CLP CLASSIFICATION:	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1 H302, H315, H318
NAME:	Isotridecanol, ethoxylated
IDENTIFICATION NOS.:	CAS-no: 9043-30-5 EC-no: 500-027-2
CONTENT:	1-3%
CLP CLASSIFICATION:	Acute Tox. 4, Eye Dam. 1 H302, H318
NAME:	Dipropylenglycolmethylether
IDENTIFICATION NOS.:	CAS-no: 34590-94-8 EC-no: 252-104-2 REACH-no: 01-2119450011-60
CONTENT:	1-3%
CLP CLASSIFICATION:	NA
NOTE:	S
NAME:	Tetrapotassium pyrophosphate
IDENTIFICATION NOS.:	CAS-no: 7320-34-5 EC-no: 230-785-7 REACH-no: 01-2119489369-18
CONTENT:	1-3%
CLP CLASSIFICATION:	Eye Irrit. 2 H319

(*) See full text of H-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.
S = Organic solvent.

Other information

ATEmix(inhale, vapour) > 20
ATEmix(inhale, dust/mist) > 20
ATEmix(inhale, dust/mist) > 20000
ATEmix(dermal) > 2000

According to EC-Regulation 2015/830

ATEmix(oral) > 2000
 Eye Cat. 1 Sum = Sum(Ci/S(G)CLi) = 2,16 - 3,24
 Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,192 - 0,288
 Detergent:
 5 - 15%: NON-IONIC SURFACTANTS
 0 - 5%: CATIONIC SURFACTANTS, PERFUMES

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

Inhalation

Get the person into fresh air and stay with them.

Skin contact

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes with plenty of water (20-30 °C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Contact a doctor at once.

Ingestion

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

Burns

Not applicable

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.

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

IF exposed or concerned:
 Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Water jets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, as in the case of fire, dangerous catabolic substances are produced. These are: Halogenated compounds. Nitrogen oxides. Carbon oxides. Fire will result in thick black smoke. Exposure to catabolic products can damage your health. Fire fighters should use proper protection gear. Closed containers, which are exposed to fire, should be cooled with water. Do not let fire-extinguishing water run into sewers and other water courses.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances. Avoid inhalation of vapours from waste material.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

6.4. Reference to other sections

See section 13 with regard to the handling of waste. See section 8 for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section 8 for information on personal protection. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original.

Storage temperature

Store frost-free.

7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

Dipropylenglycolmethylether (EH40, 2005)

Long-term exposure limit (8-hour TWA reference period): 50 ppm | 308 mg/m³

Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

Comments: Sk (Sk = Can be absorbed through skin.)

Ammonium chloride (EH40, 2005)

Long-term exposure limit (8-hour TWA reference period): - ppm | 10 mg/m³

Short-term exposure limit (15-minute reference period): - ppm | 20 mg/m³

▼ DNEL / PNEC

DNEL (Dipropylenglycolmethylether): 308 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Dipropylenglycolmethylether): 283 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Dipropylenglycolmethylether): 37,2 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Dipropylenglycolmethylether): 121 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Dipropylenglycolmethylether): 36 mg/kg bw/day

Exposure: Oral

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Ammonium chloride): 43,97mg/m³

Exposure: Inhalation

Duration of Exposure: Long term

Remarks: TS-800 Univar

DNEL (Ammonium chloride): 128,9 mg/m³/dag

Exposure: Dermal

Duration of Exposure: Long term

Remarks: TS-800 Univar

DNEL (Ammonium chloride): 9,4 mg/m³

Exposure: Inhalation

According to EC-Regulation 2015/830

Duration of Exposure: Long term
Remarks: TS-800 Univar

DNEL (Ammonium chloride): 55,2 mg/kg/dag
Exposure: Dermal
Duration of Exposure: Long term
Remarks: TS-800 Univar

DNEL (Ammonium chloride): 55,2 mg/m³
Exposure: Oral
Duration of Exposure: Long term
Remarks: TS-800 Univar

DNEL (Tetrapotassium pyrophosphate): 2,79 mg/m³
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Tetrapotassium pyrophosphate): 0,68 mg/m³
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

DNEL (Tetrapotassium pyrophosphate): 70 mg/kg
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population
PNEC (Dipropylenglycolmethylether): 19 mg/l
Exposure: Freshwater

PNEC (Dipropylenglycolmethylether): 1,9 mg/l
Exposure: Marine water

PNEC (Dipropylenglycolmethylether): 4168 mg/l
Exposure: Sewage Treatment Plant

PNEC (Dipropylenglycolmethylether): 70,2 mg/kg dw
Exposure: Freshwater sediment

PNEC (Dipropylenglycolmethylether): 7,02 mg/kg dw
Exposure: Marine water sediment

PNEC (Dipropylenglycolmethylether): 2,74 mg/kg dw
Exposure: Soil

PNEC (Ammonium chloride): 0,25 mg/l
Exposure: Freshwater

PNEC (Ammonium chloride): 0,9 mg/kg
Exposure: Freshwater sediment

PNEC (Ammonium chloride): 50,7 mg/kg
Exposure: Soil

PNEC (Ammonium chloride): 13,1 mg/l
Exposure: Sewage Treatment Plant

PNEC (Ammonium chloride): 0,09 mg/kg
Exposure: Marine water sediment

PNEC (Ammonium chloride): 0,43 mg/l
Exposure: Intermittent release

8.2. Exposure controls

Compliance with the stated exposure limits values should be checked on a regular basis.

General recommendations

Observe general occupational hygiene.

Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

Exposure limits

Trade users are covered by the rules of the working environment legislation on maximum concentrations for exposure. See work hygiene threshold values above.

Appropriate technical measures

Airborne gas and dust concentrations must be kept as low as possible and below the current threshold

values. Use for example an exhaust system if the normal air flow in the work room is not sufficient. Make sure that eyewash and emergency showers are clearly marked.

Hygiene measures

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible collect spillage during work.

Individual protection measures, such as personal protective equipment



Generally

Use only CE marked protective equipment.

Respiratory Equipment

If the ventilation at the work place is not sufficient, use a half or whole mask with an appropriate filter or an air-supplied respiratory protector. The choice depends on the concrete work situation and how long you will be using the product.

Skin protection

Use suitable protective clothing, for example overalls made of polypropylene or work clothes made of cotton/polyester. When spraying wear chemical resistant suit with hood, which is of EN-approved type 4, 5, 6 and Category III.

Hand protection

Recommended: Nitrile rubber. See the manufacturer's instructions.

Eye protection

Use safety glasses with a side shield.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Clear
Odour	Faint
pH	8,60
Viscosity	No data available.
Density (g/cm ³)	1,02

Phase changes

Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.

Data on fire and explosion hazards

Flashpoint (°C)	No data available.
Ignition (°C)	No data available.
Self-ignition (°C)	No data available.
Explosion limits (Vol %)	No data available.

Solubility

Solubility in water	Soluble
n-octanol/water coefficient	No data available.

9.2. Other information

Solubility in fat (g/L)	No data available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions noted in section 7.

10.3. Possibility of hazardous reactions

No special

10.4. Conditions to avoid

Do not expose to heat (e.g. sunlight), because it can lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reductants agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Substance	Species	Test	Route of exposure	Result
Quaternary ammonium compounds,...	Rat	LD50	Oral	833,33 mg/Kg
Ammonium chloride	Rat	LD50	Oral	1410 mg/kg

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Long term effects

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.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Species	Test	Duration	Result
No data available.				

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Dipropylenglycolmethylether	Yes	Manometric Respirometry Test	> 60 %
Alcohol ethoxylate	Yes	No data available	No data available

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
Dipropylenglycolmethylether	No	-0,35	No data available
Alcohol ethoxylate	No	No data available	No data available

12.4. Mobility in soil

Dipropylenglycolmethylether: Log Koc= -0,198765, Calculated from LogPow ().
Ammonium chloride: Log Koc= -3,382203, Calculated from LogPow ().

12.5. Results of PBT and vPvB assessment

No data available

According to EC-Regulation 2015/830

12.6. Other adverse effects

No special.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

This product is not covered by the regulations on dangerous waste.

Waste

EWC code

070699

Specific labelling

-

Contaminated packing

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

SECTION 14: Transport information

14.1 – 14.4

Not listed as dangerous goods under ADR and IMDG regulations.

ADR/RID

14.1. UN number	-
14.2. UN proper shipping name	-
14.3. Transport hazard class(es)	-
14.4. Packing group	-
Notes	-
Tunnel restriction code	-

IMDG

UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-
EmS	-
MP**	-
Hazardous constituent	-

IATA/ICAO

UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

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

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC. For exceptions, see the Danish Working Environment Authority's Executive Order No. 239 of 6 April 2005.

Demands for specific education

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Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources

Council directive 92/85/EEC of 19 October 1992 on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

EH40/2005 Workplace exposure limits and supplements from October 2007 and December 2011.

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

The full text of identified uses as mentioned in section 1

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Other symbols mentioned in section 2

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Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

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.

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by

FJOH

Date of last essential change (First cipher in SDS version)

2016-05-30

Date of last minor change (Last cipher in SDS version)

2016-05-30