

SAFETY DATA SHEET**Procare Screen Cleaner**

Date 21.1.2015

Previous date: -

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
Commercial Product Name
 Procare Screen Cleaner
 Art. Nr 38-5951
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Recommended use
 Screen Cleaner
- 1.3 Details of the supplier of the safety data sheet**
Supplier
 Clas Ohlson AB
Postcode and post office SE-793 85 Insjön
 Sweden
Telephone 0247-444 00
Telefax 0247-444 25
Email ellinor.wickstrom@clasohlson.se
- 1.4 Emergency telephone number**
 United Kingdom of Great Britain and Northern Ireland:
 National Poisons Information Service
 + 8 448 920 111, 24 hrs
 Ireland: Dublin
 +353 1 809 2166 (public). 24hrs
 Malta:
 +356 2545 0000/ +356 2545 6504

SECTION 2. HAZARDS IDENTIFICATION

For the full text of the R-phrases mentioned in this Section, see Section 16.

- 2.1 Classification of the substance or mixture**
1272/2008 (CLP)
 H412
 EUH208
 EUH210
67/548/EEC - 1999/45/EC
 R52/53
- 2.2 Label elements**
1272/2008 (CLP)
Hazard Statements
 H412 Harmful to aquatic life with long lasting effects.
Precautionary Statements
 P102 Keep out of reach of children.
 P273 Avoid release to the environment.
 P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.
- Additional labeling:**
 EUH208 Contains ethyl acrylate, lemon oil . May produce an allergic reaction.
 EUH210 Safety data sheet available on request.
- 2.3 Other hazards**
 No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3.2 Mixtures**

SAFETY DATA SHEET

Procare Screen Cleaner

Date 21.1.2015

Previous date: -

Hazardous components CAS	EINECS	Chemical name of the substance	Concentration	Classification
111-76-2	203-905-0	2-butoxi etanol	1-≤ 4 %	Xn; R20/21/22;Xi; R36/38; Acute Tox. 4, H332; Acute Tox. 4, H312; Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Irrit. 2, H315
140-88-5	205-438-8	Ethyl acrylate	≤0,40%	F; R11;Xn; R20/21/22;Xi; R36/37/38;R43; Flam. Liq. 2, H225; Acute Tox. 4, H332; Acute Tox. 4, H312; Acute Tox. 4, H302; Eye Irrit. 2, H319; STOT SE 3, H335; Skin Irrit. 2, H315; Skin Sens. 1, H317
8008-56-8	-	Lemon Oil	≤ 0,30%	N; R50/53; Xi; R36; R38; R43; Xn; R65; R10 Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Asp. Tox. 1, H304; Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317

3.3 Other information

National occupational exposure limits, section 8.

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4. FIRST AID MEASURES**4.1 Description of first aid measures****Inhalation**

If inhaled, remove to fresh air. Keep patient warm and at rest. Call a physician if symptoms occur.

Skin contact

Wash off immediately with soap and plenty of water.

Eye contact

Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

Ingestion

Rinse mouth with water. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

May cause allergic skin reaction. Mild eye irritation

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES**5.1 Extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Not combustible. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

SAFETY DATA SHEET

Procare Screen Cleaner

Date 21.1.2015

Previous date: -

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. For prolonged or repeated contact use protective gloves. May cause sensitisation of susceptible persons. Avoid breathing vapours, mist or gas.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections

For personal protection see section 8. SECTION 13: Disposal considerations

SECTION 7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Avoid contact with the skin and the eyes. Avoid breathing vapours, mist or gas.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep away from food and drink. Keep container tightly closed. Keep tightly closed in a dry and cool place.

7.3 Specific end use(s)

No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****Threshold limits**

111-76-2	2-butoxi etanol	20 ppm (8 h)	50 ppm (15 min)
		98 mg/m ³ (8 h)	250 mg/m ³ (15 min)
		skin	
140-88-5	ethyl acrylate	5 ppm (8 h)	10 ppm (15 min)
		21 mg/m ³ (8 h)	42 mg/m ³ (15 min)
		skin	

Other information on limit values**111-76-2 2-butoxy ethanol:**

IOELV (EU): Short-term value: 246 mg/m³, 50 ppm

Long-term value: 98 mg/m³, 20 ppm

Skin

WEL (Great Britain): Short-term value: 246 mg/m³, 50 ppm

Long-term value: 123 mg/m³, 25 ppm

Sk, BMGV

BMGV (Great Britain)

240 mmol/mol creatinine

Medium: urine

Sampling time: post shift

Parameter: butoxyacetic acid

DNELs

No information available.

PNECs

SAFETY DATA SHEET

Procare Screen Cleaner

Date 21.1.2015

Previous date: -

2-Butoxy ethanol:

10 mg / L aquatic organisms
 1 mg / L salt water organisms
 13.7 mg / kg wet weight of sediment
 1.4 mg / kg wet weight of marine sediments
 463 mg / L microorganisms
 6 mg / kg wet weight of soil

8.2**Exposure controls****Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Avoid exceeding of the given occupational exposure limits (see section 8).

Individual protection measures**Respiratory protection**

In the case of vapour formation use a respirator with an approved filter. Respirator with filter for organic vapour.

Hand protection

Protective gloves Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Eye/face protection

not required under normal use If splashes are likely to occur, wear: Tightly fitting safety goggles.

Skin protection

not required under normal use Long sleeved clothing

Environmental exposure controls

Should not be released into the environment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1****Important Health Safety and Environmental Information**

Appearance	Fluid
Odour	transparent
Odour threshold	Lemon
pH	no data available
Melting point/freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	> 99°C
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Explosive properties	
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	no data available
Solubility(ies)	
Water solubility	miscible
Fat solubility (solvent - oil to be specified)	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available

SAFETY DATA SHEET

Procare Screen Cleaner

Date 21.1.2015

Previous date: -

	Explosive properties	Not explosive
	Oxidising properties	no data available
9.2	Other information	no data available

SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity**
Stable under normal conditions.
- 10.2 Chemical stability**
Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions**
None known.
- 10.4 Conditions to avoid**
Extremes of temperature and direct sunlight.
- 10.5 Incompatible materials**
None known.
- 10.6 Hazardous decomposition products**
No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
No data is available on the product itself. Likely route of exposure: Skin, Inhalation
- Acute toxicity**
- 2-Butoxy ethanol:**
LD50: 470 mg / kg body weight (dangerous)
LC50 Inhalation rat 4h: 2.2 mg / l (dangerous)
Dermal LD50 Rat: 2270 mg / kg body weight (not acutely toxic)
Dermal LD50 Rabbit: 220 mg / kg body weight (dangerous)
- Ethyl acrylate:**
LD50: 800 mg / kg body weight (dangerous)
LC50 Inhalation rat 4h: 9.06 mg / l (dangerous)
Dermal LD50 Rat: > 1800 mg / kg body weight (dangerous)
Dermal LD50 Rabbit: 1800 mg / kg body weight (dangerous)
Sensitizing
- Citrus medica oil:**
LD50: 2840 mg / kg body weight (not acutely toxic)
Dermal LD50 Rabbit: > 5000 mg / kg body weight (not acutely toxic)
Sensitizing
May cause long-term adverse effects in the aquatic environment.
- Irritation and corrosion**
May cause eye or skin irritation with susceptible persons.
- Sensitisation**
Contains ethyl acrylate, lemon oil. May produce an allergic reaction.
- Subacute, subchronic and prolonged toxicity**
Contains no ingredient listed as a carcinogen.
- STOT-single exposure**
No information available.
- STOT-repeated exposure**
No information available.
- Aspiration hazard**
No information available.

SAFETY DATA SHEET**Procare Screen Cleaner**

Date 21.1.2015

Previous date: -

Other information on acute toxicity

No information available.

SECTION 12. ECOLOGICAL INFORMATION**12.1 Toxicity**

No data is available on the product itself.

Aquatic toxicity**2-Butoxy ethanol:**

LC50 Fish 96h: 1125 mg / l Species: Menidia beryl line

EC50 Daphnia 48h: 835 mg / l Species: Daphnia magna

IC50 Algae 72h:> 286 mg / l Species: Pseudokirchneriella subcapitata

Ethyl acrylate:

LC50 fish 96h: 2.5 mg / l Species: fathead minnows

EC50 Daphnia 48h: 4.4 mg / l Species: Daphnia magna

IC50 Algae 72h: 48 mg / l Species: Scenedesmus subspicatus

Toxicity to other organisms

No information available.

12.2 Persistence and degradability**Biodegradation****2-Butoxyethanol:**

BOD5 / COD: 0.32 to 0.76

95% degraded in 28 days OECD 301E (Biodegradable).

Chemical degradation

No information available.

12.3 Bioaccumulative potential**2-Butoxy ethanol:**

BCF: 3

Log Pow: 0.84 (Does not bioaccumulate)

Ethyl acrylate:

BCF: 2.09

Log Pow: 1.32 (Does not bioaccumulate)

12.4 Mobility in soil

soluble in cold water

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

Water contaminating class (Germany) Water hazard class 1 (German Regulation) (Self-assessment): Slightly Hazardous

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Do not allow material to contaminate ground water system.

SECTION 13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Dispose of in accordance with local regulations. Smaller quantities can be disposed of with household waste.

13.2 Waste from residues / unused products

Dispose of as hazardous waste in compliance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION**14.1 UN number**

not regulated

SAFETY DATA SHEET

Procare Screen Cleaner

Date 21.1.2015

Previous date: -

14.2	UN proper shipping name	not regulated
14.3	Transport hazard class(es)	not regulated
14.4	Packing group	not regulated
14.5	Environmental hazards	None
14.6	Special precautions for users	No information available.
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	The product is not transported in bulk

SECTION 15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
National occupational exposure limits, section 8.
REACH Regulation Annex XVII Restriction (13/2/2013)
111-76-2 2-butoxy ethanol
140-88-5 ethyl acrylate
- 15.2 Chemical safety assessment**
A Chemical Safety Assessment has been carried out for this substance.

SECTION 16. OTHER INFORMATION

- 16.1 Additions, Deletions, Revisions**
Version 1.0.
- 16.2 Key or legend to abbreviations and acronyms**
- **HTP** - time weighted average
- **DNEL** - No observed adverse effect level
- **PNEC** - Predicted No Effect Concentration
- **PBT** - persistent, bioaccumulating and toxic.
- **vPvB** - very persistent and very bioaccumulating.
- 16.3 Key literature references and sources for data**
Safety data, REGULATION (EC) No 1272/2008,
- 16.4 Classification procedure**
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, Annex VI, Table 3.1. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, Annex VI, Table 3.2. Classification according to Regulation (EU) 1272/2008 with the correlation table 67/548/EEC or 1999/45/EC (Annex VII of CLP)
- 16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements**
- | | |
|-----------|--|
| R10 | Flammable. |
| R11 | Highly flammable. |
| R20/21/22 | Harmful by inhalation, in contact with skin and if swallowed. |
| R36 | Irritating to eyes. |
| R36/37/38 | Irritating to eyes, respiratory system and skin. |
| R38 | Irritating to skin. |
| R43 | May cause sensitization by skin contact. |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R65 | Harmful: may cause lung damage if swallowed. |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |

SAFETY DATA SHEET**Procare Screen Cleaner**

Date 21.1.2015

Previous date: -

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.6 Additional information available from:

Provide adequate information, instruction and training for operators. Refer to attached safety data sheets and/or instructions for use.