

**1. Identification of Substance:**

- Trade name: LCD Screen Cleanser
- Application of the substance / the preparation LCD Screen Cleanser

**2. Composition / Data on Components:**

- Chemical characterization
- Description: Mixture of the substances listed below with nonhazardous additions.

• Dangerous components:		
61789-40-0	1-propanaminium, 3-amino-N-(carboxymethyl)-N, N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts.	6.0%
35285-69-9	Sodium 4-propoxycarbonylphenoxide	1.0%
• Non dangerous components:		
7732-18-5	Water, distilled, conductivity or of similar purity	53.0%
76050-42-5	Carbomer 940	40.0%

**3. Hazards Identification:**

- Hazard description:



Irritant

- Information pertaining to particular dangers for man and environment:  
The product has to be labelled due to the calculation procedure of international guidelines. Irritating to eyes.
- Classification system:  
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- NFPA ratings (scale 0-4):



Health = 1  
Fire = 0  
Reactivity = 0

- HMIS-ratings (scale 0-4):

Health	1
Fire	0
Reactivity	0

Health = 1  
Fire = 0  
Reactivity = 0

#### 4. First Aid Measures:

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing:** If symptoms persist consult doctor.

#### 5. Fire Fighting Measures:

- **Suitable extinguishing agent:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** Wear fully protective suit. Mouth respiratory protective device.

#### 6. Accidental Release Measures:

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers / surface or ground water.
- **Measures for cleaning / collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.

#### 7. Handling and Storage:

– Handling –

- **Information for safe handling:**  
Ensure good ventilation / exhaust at the workplace. Prevent formation of aerosols.
- **Information about protection against explosions and fires:** Keep respiratory protective device available.

– Storage –

- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

#### 8. Exposure Controls and Personal Protection:

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at workplace.
- **Additional information:** The list that were valid during the creation were used as basis.
- **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.  
Avoid contact with eyes and skin.
- **Breathing equipment:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/the substance/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:**

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.

- **Eyes protection:**



Tightly sealed goggles

## 9. Physical and Chemical Properties:

• <b>General Information</b>	
Form:	Liquid
Color:	Transparent
Order:	Orderless
• <b>Change in condition</b>	
Melting point/Melting range:	Not available
Boiling point/Boiling range:	Not available
• <b>Flash point:</b>	Not available
• <b>Flammability (Solid/gaseous):</b>	Not available
• <b>Ignition temperature:</b>	Not available
• <b>Auto igniting:</b>	Product is not self-igniting
• <b>Danger of explosion:</b>	Product does not present an explosion hazard
• <b>Explosion limits:</b>	
Lower:	Not available
Upper:	Not available
• <b>Oxidizing properties:</b>	Not available
• <b>Vapor pressure:</b>	Not available
• <b>Density:</b>	Not available
• <b>Relative density</b>	Not available
• <b>Vapor density</b>	Not available
• <b>Evaporation rate</b>	Not available
• <b>Solubility in / Miscibility with</b>	
Water:	Not available
• <b>pH-value:</b>	Not available
• <b>Viscosity:</b>	
Dynamic:	Not available

## 10. Stability and Reactivity:

- **Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions:** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

## 11. Toxicological Information:

- Acute toxicity:

• LD/LC50 values that are relevant for classification:		
61789-40-1	l-propanaminium, 3-amino-N-(carboxymethyl)-N, N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts.	
• Oral	LD50	2700 mg/kg (rat)
35285-69-9	sodium 4-propoxycarbonylphenoxide	
• Oral	LD50	3700 mg/kg (mouse)

- Primary irritant effect:

- On the skin: Irritating effect possible.
- On the eye: Irritating effect.
- Sensitization: Sensitization possible.

- Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant.

## 12. Ecological Information:

- General notes:

Water hazard class I (self-assessment); slightly hazardous for water.

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

## 13. Disposal Considerations:

- Product recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings recommendation: Disposal must be made according to official regulations.

## 14. Transport Information:

• DOT regulations:	–
• Hazard class	–
• Identification number	–
• Packing group	–
• Hazardous substance	–
• Poison inhalation hazard	–
• Proper shipping name (technical name)	–
• Label	–
• Land transport ADR/RID (cross-border)	–
• ADR/RID class	–
• Danger code (Kemler)	–
• UN-Number	–
• Label	–
• Description of goods	–
• Maritime transport IMDG	–
• IMDG Class	–
• UN Number	–
• Label	–
• Packaging group	–
• EMS Number	–

• Marine pollutant	Yes
• Proper shipping name	–
• Air transport ICAO-TI and IATA-DGR	–
• ICAO/IATA Class	–

15. Regulations:

• **Sara**

Section 355 (extremely hazardous substances): None of the ingredients is listed.
Section 313 (specific toxic chemical listings): None of the ingredients is listed.
TSCA (Toxic Substances Control Act): 7732-18-5 Water, distilled, conductivity or of similar purity.

• **Proposition 65**

Chemicals known to cause cancer: None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.
Chemicals known to cause developmental toxicity: None of the ingredients is listed.

• **Carcinogenicity categories**

EPA (Environmental Protection Agency): None of the ingredients is listed.
IARC (International Agency for Research on Cancer): None of the ingredients is listed.
NTP (National Toxicology Program): None of the ingredients is listed.
TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.
NIOSH-Ca (National Institute for Occupational Safety & Health): None of the ingredients is listed.
OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

• **Product related hazard information:**

The product has been classified and marked in accordance with directives on hazardous materials.

• **Hazard symbols:** Irritant

• **Risk phrases:** Irritating to eyes.

• **Safety phrases:**

Keep out of the reach of the children.

Do not breathe gas/fumes/vapor/spray (appropriate wording to be specified by the manufacturer).

If swallowed, seek medical advice immediately and show this container or label.

Dispose of this material and its container to hazardous or special waste collection point.

**16. Other Information:**

- The contents and formats of this MSDS/SDS are in accordance with 29 CFR 1910.1200(g)

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**17. Contact Information:**

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