

# SAFETY DATA SHEET

## UFAROL TCL 92 N

### 1. Identification of the substance/preparation and of the company/undertaking

Date issued	11.11.2011
Revision date	11.11.2011
Product name	UFAROL TCL 92 N
Chemical name	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
Synonyms	Sodium lauryl sulphate
REACH Reg No	01-2119489463-28-0002
CAS no.	85586-07-8
Article no.	F0571
Use of the substance/preparation	For production of hard surface- and laundry detergents.

#### Manufacturer

Company name	Unger Fabrikker AS
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### 2. Hazards identification

Classification according to 67/548/EEC or 1999/45/EC	Xn; R22, R38, R41
Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]	Acute tox. 4; H302 Eye Dam. 1; H318 Skin Irrit. 2; H315
Description of hazard	Harmful if swallowed. Irritating to skin. Risk of serious damage to eyes.

### 3. Composition/information on ingredients

Component name	Identification	Classification	Contents
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	CAS no.: 85586-07-8	Xn; R22, R38, R41 Acute tox. 4;H302 Eye Dam. 1;H318 Skin Irrit. 2;H315	90 - 100 %
Column headings	CAS no. = Chemical Abstracts Service; EU (Einecs or Elincs number) = European inventory of Existing Commercial Chemical Substances; Ingredient name = Name as specified in the substance list (substances that are not included in the substance list must be translated, if possible). Contents given in; %, %wt/wt, %vol/wt, %vol/vol, mg/m3, ppb, ppm, weight%, vol%		
HH/HF/HE	T+ = Very toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritating, E = Explosive, O = Oxidizing, F+ = Extremely flammable, F = Very flammable, N = Environmental hazard		
Component comments	See section 16 for explanations to R-phrases		

#### 4. First-aid measures

General	Rinse with water
Inhalation	Fresh air. Rinse nose and mouth with water.
Skin contact	Rinse the skin immediately with lots of water. Use suitable lotion to moisturise skin.
Eye contact	Rinse the eye with water immediately. Continue to rinse for at least 15 minutes and get medical attention.
Ingestion	Drink plenty of water. Contact physician if larger quantity has been consumed. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.

#### 5. Fire fighting measures

Suitable extinguishing media	All types of fire extinguisher may be used.
Fire and explosion hazards	Fire creates: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). Sulphurous gases (SO <sub>x</sub> ).
Fire fighting procedures	Use water to keep fire-exposed containers cool and disperse vapours.

#### 6. Accidental release measures

Personal precautions	Try to limit any spill. Prevent the formation of dust. For small spills, rinse away with water. Spill of product will give slippery surfaces.
Environmental precautions	The product dissolves in water and it is readily biodegradable.
Methods for cleaning	Collect any spilled product and deliver it to a qualified recipient according to local regulations. Small amounts are rinsed away with water. The product will give slippery surface.

#### 7. Handling and storage

Handling	Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation.
Storage	Store in a dry place. The bags must be stored unopened or sealed.

#### 8. Exposure controls/personal protection

##### Exposure controls

Respiratory protection	Use specified dust masks.
Hand protection	Neoprene, nitrile, polyethylene or PVC.
Eye protection	Wear approved chemical safety goggles where eye exposure is reasonably probable.

#### 9. Physical and chemical properties

Physical state	White to off-white needles.
Odour	Characteristic.
Solubility description	Very soluble in water.
Bulk density	<b>Value:</b> ~ 500 kg/m <sup>3</sup>
pH (aqueous solution)	<b>Value:</b> 9.0-10.0 <b>Method of testing:</b> Concentration 1 % a.m.
Particle size	<b>Value:</b> 100-5000 Microns

#### 10. Stability and reactivity

Conditions to avoid	Risks concerning dust formation: Minimum ignition energy: 15-20 mJ. Risks concerning dust formation: Lower limit (explosion): 40 - 50 g/1000 litres. Risks concerning dust formation: Maximum explosion pressure: 7,5 bar.
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	Risks concerning dust formation: K(st): 170 bar m/s.
Stability	The product is stable under the recommended handling and storage conditions.

## 11. Toxicological information

### Toxicological Information:

LD50 oral	<b>Value:</b> ~ 1800 mg/kg <b>Test animal species:</b> LD 50, Rat
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### Other information regarding health hazards

Skin contact	Acts as a defatting agent on skin. May cause cracking of skin and eczema.
Eye contact	Irritation of eyes and mucous membranes. Risk of serious damage to eye.
Ingestion	May cause discomfort if swallowed.

## 12. Ecological information

### Toxicological Information:

Acute aquatic, fish	<b>Value:</b> 3-20 mg/L <b>Method of testing:</b> LC 50 <b>Duration:</b> 96 Hrs
Acute aquatic, algae	<b>Value:</b> 10-100 mg/L <b>Method of testing:</b> IC 50 <b>Duration:</b> 72 Hrs
Acute aquatic, Daphnia	<b>Value:</b> 10-50 mg/L <b>Method of testing:</b> EC 50 <b>Duration:</b> 48 Hrs

### Other ecological information

Biodegradability	<b>Value:</b> 98-100 % <b>Method of testing:</b> Primary Biodegradation, MBAS (OECD screening test)
Persistence and degradability	The product is readily degradable.
Bioaccumulative potential	Total biodegradation: 88-96 % MOST (OECD 301-E). Total biodegradation: 63-95 % (Closed Bottle Test). Total biodegradation: 64-96 % Sturm (OECD 301 B).
Environmental details, conclusion	Not regarded as dangerous for the environment.

## 13. Disposal considerations

EWC waste code	EWC: 070699 wastes not otherwise specified
Specify the appropriate methods of disposal	Small amounts may be flushed with water to sewer. Larger volumes must be sent to approved plant for destruction. Collect in marked containers and deliver to approved depot. Dispose of in accordance with Local Authority requirements.

## 14. Transport information

Other applicable information.	No dangerous goods under transport regulations.
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## 15. Regulatory information

### Hazard symbol



Harmful

R phrases	R22 Harmful if swallowed. R41 Risk of serious damage to eyes. R38 Irritating to skin.
S phrases	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash immediately with plenty of water. S37/39 Wear suitable gloves and eye/face protection. S46 If swallowed, seek medical advice immediately and show this container or label. S22 Do not breathe dust. Use approved dust mask when handling the product. S33 Take precautionary measures against static discharges.

### Hazard Pictograms (CLP)



Signal word	Danger
Hazard statements	H302 Harmful if swallowed. H318 Causes Serious eye damage. H315 Causes Skin irritation.
Precautionary statements	P284 Wear respiratory protection. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302 + P352 IF ON SKIN: Wash with plenty of soap and 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. P332 + P313 If skin irritation occurs: Get medical advice/attention. P363 Wash contaminated clothing before reuse. P280 Wear protective gloves/protective clothing/eye protection/face protection. P101 If medical advice is needed, have product container or label at hand. P243 Take precautionary measures against static discharge.
EEC-directive	EC regulation 1907/2006, Directives: 67/548/EEC(2006/121/EC), 99/45/EC (EC) No 1272/2008
Comments	The surfactants contained in this preparation 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.
Declaration no.	01-2119489463-28-0002 (Reach reg nbr.)
Acknowledgement no. from Product Register (NOR)	PRN 066104

### 16. Other information

List of relevant H-phrases (Section 2 and 3).	H302 Harmful if swallowed. H315 Causes Skin irritation. H318 Causes Serious eye damage.
List of relevant R phrases (under headings 2 and 3).	R22 Harmful if swallowed. R38 Irritating to skin. R41 Risk of serious damage to eyes.
Sources of key data used to compile the safety data sheet	"Classification and labelling of Surfactants for human health hazards according to the Dangerous Substances Directive" CESIO, January 2000. "Ökologisch relevante Daten von Tensiden in Wasch-und Reinigungsmittel" of Dr.K.J.Bock, Dr.L.Huber and Dr.P.Schöberl. Directive 93/112/EC EC regulation 1907/2006 Alkyl Sulfates, Environmental Risk assessment, HERA, March 2002. Alcohol Sulphates, Human Health Risk Assessment, HERA, December 2002
Information which has been added, deleted or revised	New CAS number, CLP classification, REACH reg.
Supplier's notes	THE ABOVE MENTIONED INFORMATION IS BASED ON UNGER FABRIKKER'S EXPERIENCE AND KNOWLEDGE IN THIS FIELD. THE INFORMATION IS ONLY A GUIDE FOR APPLICATION OF THIS PRODUCT,

AND UNGER FABRIKKER GIVES NO GUARANTEE FOR THE PRODUCT'S PROPERTIES OR FOR THE RESULTS FROM THE APPLICATION OF THE PRODUCT, WHICH LIES OUTSIDE UNGER'S CONTROL. UNGER FABRIKKER'S RESPONSIBILITY AND GUARANTEE IN SELLING THIS PRODUCT ARE COVERED AT ALL TIMES BY THE RELEVANT GENERAL SALES CONDITIONS.

Responsible for safety data sheet Unger Fabrikker AS