

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 04.02.2020

Version: 6.06

Revision: 30.09.2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** SONAX MULTISTAR**Article number:**

06275000, 06275050, 06276000, 06277050, 06278000, 06279000, 06279410

UFI: T2A0-D0HT-F004-7ART**1.2 Relevant identified uses of the substance or mixture and uses advised against****Sector of Use**

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category PC35 Washing and cleaning products (including solvent based products)**Application of the substance / the mixture** Car care product**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

SONAX GmbH

Münchener Straße 75

D-86633 Neuburg (Donau)

Tel.: ++49 (0)8431/53-0

Further information obtainable from:

Product safety

E-mail: erp@sonax.de

Phone: + +49 (0) 8431 53 217

1.4 Emergency telephone number: Emergency Phone Munich Tel.: +49 (0)89 19240**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS07

Signal word Warning**Hazard statements**

H319 Causes serious eye irritation.

Precautionary statements

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

P102 Keep out of reach of children.

P280 Wear eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Description:** Tensides in aqueous solution with phosphates

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Dangerous components:		
CAS: 68891-38-3 NLP: 500-234-8 Reg.nr.: 01-2119488639-16-xxxx	alcohols, C12-14, ethoxylated, sulfates, sodium salts ☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 % Eye Irrit. 2; H319: 5 % ≤ C < 10 %	3 - <5%
CAS: 15763-76-5 EINECS: 239-854-6 Reg.nr.: 01-2119489411-37-xxxx	sodium-p-cumene sulphonate Alternative CAS number: 28348-53-0 ☠ Eye Irrit. 2, H319	1 - <3%
CAS: 577-11-7 EINECS: 209-406-4 Reg.nr.: 01-2119491296-29-xxxx	Sodium diisooctyl sulphosuccinate ☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315	1 - <3%

Regulation (EC) No 648/2004 on detergents / Labelling for contents

phosphates, anionic surfactants	<5%
perfumes, linalool, limonene	

Additional information:

15763-76-5 (REACH registered CAS)
previous & alternative CAS: 28348-53-0 / EC number: 248-983-7
For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:** Remove soiled clothing**After inhalation:** No special measures required**After skin contact:**

Generally the product does not irritate the skin.

Wash the areas of skin affected with water and a mild detergent.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.**After swallowing:**

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed Eye irritation**4.3 Indication of any immediate medical attention and special treatment needed**

Treatment in accordance with the doctor's assessment of the patient's condition. Symptomatic treatment.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.**5.2 Special hazards arising from the substance or mixture** No further relevant information available.**5.3 Advice for firefighters****Protective equipment:** The normal measures for firefighting are to be taken.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures** Not required.**6.2 Environmental precautions:**

Do not allow to penetrate the ground/soil.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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SECTION 7: Handling and storage**7.1 Precautions for safe handling** No special precautions are necessary if used correctly.**Information about fire - and explosion protection:** No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.**Information about storage in one common storage facility:** Store away from foodstuffs.**Further information about storage conditions:**

Protect from frost.

Recommended storage temperature: 20 °C.

7.3 Specific end use(s) No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs**CAS: 68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts**

Oral	DNEL	15 mg/kg (VL)
Dermal	DNEL	1650 mg/kg (VL)
		2750 mg/kg (worker long-term)
Inhalative	DNEL	52 mg/m ³ (VL)
	DNEL	175 mg/m ³ (worker long-term)

CAS: 15763-76-5 sodium-p-cumene sulphonate

Oral	DNEL	3.8 mg/kg bw/day (consumer) (longterm systematic effects)
Dermal	DNEL	3.8 mg/kg bw/day (consumer) (longterm systematic effects)
		7.6 mg/kg bw/day (worker) (longterm systematic effects)
Inhalative	DNEL	13.2 mg/m ³ (consumer) (longterm systematic effects)
		53.6 mg/m ³ (worker) (longterm systematic effects)

CAS: 577-11-7 Sodium diisooctyl sulphosuccinate

Oral	DNEL	18.8 mg/kg (<i>Gambusia affinis</i>)
Dermal	DNEL	31.3 : 18.8 mg/kg
Inhalative	DNEL	44.1 : 13 mg/m ³

PNECs**CAS: 68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts**

PNEC		10000 mg/l (sewage plant)
		0.071 mg/l (sporadic release)
		0.24 mg/l (water (fresh water))
		0.024 mg/l (water (sea water))
PNEC		7.5 mg/kg (gro)
		0.9168 mg/kg (sediment (fresh water))
		0.09168 mg/kg (sediment (sea water))

CAS: 577-11-7 Sodium diisooctyl sulphosuccinate

PNEC		0.0066 mg/l (water (fresh water))
		0.00066 mg/l (water (sea water))
PNEC		0.0653 mg/kg (sediment (sea water))
		0.138 mg/kg (soil)

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Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls**Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

Respiratory protection: Not required.

Protection of hands: Not required in normal cases.

Eye protection:

Safety glasses

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information****Appearance:**

Form:	Fluid
Colour:	Light blue
Odour:	Citrus
Odour threshold:	Not determined.

pH-value at 20 °C: 10.5 - 11.5

Change in condition

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: ≥ 100 °C

Flash point: Not applicable.

Flammability (solid, gas): Not applicable.

Decomposition temperature: Not determined.

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.

Upper: Not determined.

Vapour pressure: Not determined.

Density at 20 °C: 1.10 - 1.11 g/cm³

Relative density Not determined.

Vapour density Not determined.

Evaporation rate Not determined.

Solubility in / Miscibility with

water: Fully miscible.

Partition coefficient: n-octanol/water: Not determined.

Viscosity:

Flow time at 20 °C 10 - 12 s (DIN EN ISO 2431/4mm)

9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No dangerous reactions known.

10.2 Chemical stability Stable under normal conditions.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid See Section 7 for information on safe handling.

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10.5 Incompatible materials: No further relevant information available.**10.6 Hazardous decomposition products:** No dangerous decomposition products known.**SECTION 11: Toxicological information****11.1 Information on toxicological effects** There are no toxicological findings on this mixture.**Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values relevant for classification:****CAS: 68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts**

Oral LD50 >5000 mg/kg (rat) (OECD 401)

Dermal LD50 >5000 mg/kg (rat) (OECD 402)

CAS: 15763-76-5 sodium-p-cumene sulphonate

Oral LD50 >7000 mg/kg (rat)

Dermal LD50 2000 mg/kg (rat)

CAS: 577-11-7 Sodium diisooctyl sulphosuccinate

Oral LD50 >2100 mg/kg (rat)

Dermal LD50 >10.00 mg/kg (rat)

Inhalative LC 50 / 96h 20 mg/l (rat)

Primary irritant effect:**Skin corrosion/irritation**

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

Repeated dose toxicity**CAS: 15763-76-5 sodium-p-cumene sulphonate**

Oral NOAEL >936 mg/kg (rat)

NOAEL 90-92d >440 mg/kg/d (OECD 411 Subchronic Dermal Toxicity: 90-day Study)

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

None of the ingredients are known to have effects which are carcinogenic, mutagenic or harmful to reproduction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information****12.1 Toxicity** There are no ecotoxicological data available on this mixture.**Aquatic toxicity:****CAS: 68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts**LC 50 >10 - ≤100 mg/l (*Leuciscus idus*) (DIN EN ISO 7346-2)

EC0 >100 mg/l (bacteria) (OECD 209)

EC50 >100 mg/l (*Scenedesmus subspicatus*) (OECD 201)>10-100 mg/l (*Daphnia magna*) (OECD 202)NOEC >1-10 mg/l (*Leuciscus idus*)

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CAS: 15763-76-5 sodium-p-cumene sulphonate

LC50 / 96h	>1000 mg/l (fish) (EPA OPPTS EPA OTS 797)
EC50/3h	>1000 mg/l (bacteria) (OECD 209)
EC50 / 48h	>1000 mg/l (Daphnia magna) (EPA OPPTS EPA OTS 797) >100 mg/l (daphnia) (OECD 202)
EC50 / 96 h	>230 mg/l (algae) (EPA OPPTS EPA OTS 797)
NOEC 96h	31 mg/l (algae) (EPA OPPTS)

CAS: 577-11-7 Sodium diisooctyl sulphosuccinate

LC50 / 96h	49 mg/l (Danio rerio)
EC50 / 48h	6.6 mg/l (Daphnia magna)
EC50 / 72h	82.5 mg/l (algae)

12.2 Persistence and degradability

The surface-active substances contained in the product meet the requirement of the EU Detergent Regulation (EC/648/2004) for ultimate biodegradability for surfactants in detergents.

CAS: 15763-76-5 sodium-p-cumene sulphonate

Biodegradation	60-100 % (OECD 301 B Ready Biodegradability -. CO2 Evolution)
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12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:**General notes:**

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

The product does not contain organically bounded halogens (AOX-free).

The product does not contain organic complexing agents.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Recommendation Waste must be disposed of while observing the local, official regulations.

European waste catalogue

- 1) Disposal / product
- 2) Disposal / contaminated packaging

20 01 30	detergents other than those mentioned in 20 01 29
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15 01 02	plastic packaging
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SECTION 14: Transport information**14.1 UN-Number**

ADR, IMDG, IATA	Void
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14.2 UN proper shipping name

ADR, IMDG, IATA	Void
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14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA	Void
Class	

14.4 Packing group

ADR, IMDG, IATA	Void
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14.5 Environmental hazards:

Marine pollutant:	No
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14.6 Special precautions for user Not applicable.

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UN "Model Regulation": Void

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations:****Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008

Serious eye damage/eye irritation

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

DGR: Przepisy dotyczące towarów niebezpiecznych - Dangerous Goods Regulations by IATA

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

NOEL = No Observed Effect Level

NOEC = No Observed Effect Concentration

LC = letal Concentration

EC50 = half maximal effective concentration

log POW = Octanol / water partition coefficient

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ATE: acute toxicity estimate

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IOELV = indicative occupational exposure limit values

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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

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

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Version history and indication of changes: Replaces version 6.05.*** Data compared to the previous version altered.**