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Hazard statements Void Precautionary statements P102

Additional information:

2.3 Other hazards

PBT: Not applicable.

EUH210 Safety data sheet available on request.

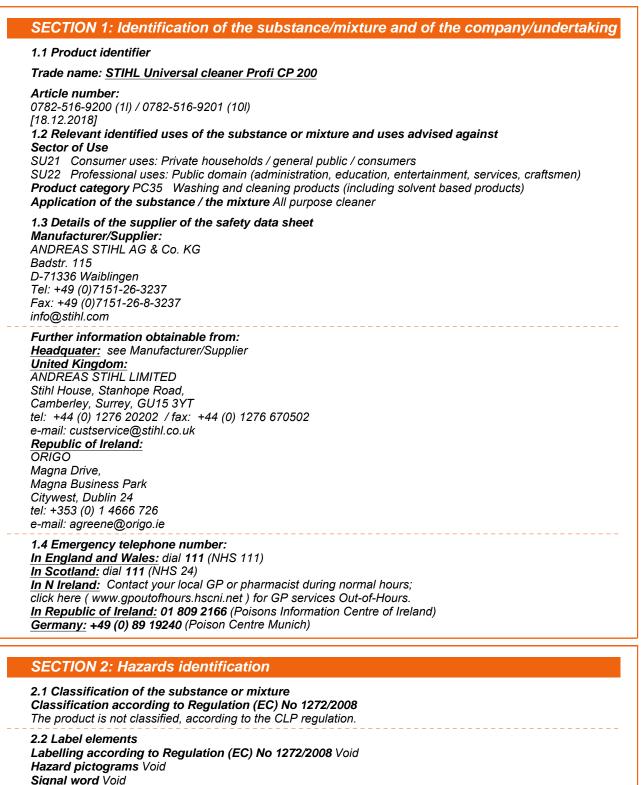
Results of PBT and vPvB assessment

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Keep out of reach of children.

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<5%

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Tensides with chelating agents in aqueous solution; phosphate-free

Dangerous	components:

Dangerous components.		
CAS: 15763-76-5	sodium-p-cumene sulphonate	1-<3%
EINECS: 239-854-6	Alternative CAS number: 28348-53-0	
Reg.nr.: 01-2119489411-37-xxxx	♦ Eye Irrit. 2, H319	
CAS: 9004-78-8	Phenol polyethoxilate	1-<3%
NLP: 500-013-6	♦ Acute Tox. 4, H302; Eye Irrit. 2, H319	
Pagulation (EC) No 649/2004 or	n determents / Labelling for contents	

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

non-ionic surfactants

perfumes

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. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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:

The product is not flammable.

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 Ensure adequate ventilation 6.2 Environmental precautions:

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

Do not allow to penetrate the ground/soil.

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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.

See Section 13 for disposal information.

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:

Store only in the original receptacle.

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: 157	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/m³ (consumer) (longterm systematic effects)
		53.6 mg/m³ (worker) (longterm systematic effects)

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. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Respiratory protection: Not required in normal cases Protection of hands: Not required in normal cases. Eye protection: Not required in normal cases

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties General Information Appearance: Form: Fluid

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Colour:	Yellow	
Odour:	Citrus	
Odour threshold:	Not determined.	
pH-value at 20 °C:	12.0 - 13.0	
Change in condition Melting point/freezing point: Initial boiling point and boiling range.	Undetermined. : ≥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 applicable	
Upper:	Not applicable	
Vapour pressure:	Not determined.	
Density at 20 °C:	1.06 - 1.07 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 - 15 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.

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

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

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

Oral LD50 >7,000 mg/kg (rat)

Dermal LD50 2,000 mg/kg (rat)

CAS: 9004-78-8 Phenol polyethoxilate

Oral LD50 500-2,000 mg/kg (rat) (OECD 423)

Dermal LD50 2,140 mg/kg (rabbit)

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(Contd. of page 4) Primary irritant effect: Skin corrosion/irritation Based on available data, the classification criteria are not met. Serious eye damage/irritation Based on available data, the classification criteria are not met. Respiratory or skin sensitisation Based on available data, the classification criteria are not met. 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 Subcronic Dermal Toxicity: 90-day Stucy) CMR effects (carcinogenity, 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 On the basis of the available data, the classification criteria are not complied with (Conventional Method). SECTION 12: Ecological information 12.1 Toxicity There are no ecotoxicological data available on this mixture. Aquatic toxicity:

Aquatic tox	icity:
CAS: 15763	-76-5 sodium-p-cumene sulphonate
LC50 / 96h	>1,000 mg/l (fish) (EPA OPPTS EPA OTS 797)
EC50/3h	>1,000 mg/l (bacteria) (OECD 209)
EC50 / 48h	>1,000 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: 9004-2	78-8 Phenol polyethoxilate
LC50 / 96h	>100 mg/l (fish) (OECD 203)
EC50	>128 mg/kg (Daphnia magna) (OECD 202)
EC/648/2004	active substances contained in the product meet the requirement of the EU Detregent Regulation 4) for ultimate biodegradability for surfactants in detergents. -76-5 sodium-p-cumene sulphonate
Biodegradia	tion 60-100 % (OECD 301 B Ready Biodegradability CO2 Evolution)
CAS: 9004-7	78-8 Phenol polyethoxilate
Biodegradiat	tion 40-50 % (OECD 311)
12.4 Mobilit	umulative potential No further relevant information available. y in soil No further relevant information available. ecological information:
General not Do not allow The product The product 12.5 Results PBT: Not ap	tes: undiluted product or large quantities of it to reach ground water, water course or sewage system. does not contain organically bounded halogens (AOX-free). does not contain organic complexing agents. s of PBT and vPvB assessment plicable.
vPvB: Not a	pplicable. (Contd. on page 6

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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

15 01 02 plastic packaging

14.1 UN-Number ADR, IMDG, IATA	Void
14.2 UN proper shipping name ADR, IMDG, IATA	Void
14.3 Transport hazard class(es)	
ADR, ADN, IMDG, IATA Class	Void
<i>14.4 Packing group ADR, IMDG, IATA</i>	Void
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for use	er Not applicable.
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

H302 Harmful if swallowed. H319 Causes serious eye irritation.

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

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(Contd. of page 6) Iog 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 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) LC50: Lethal concentration, 50 percent IDELV = indicative occupational exposure limit values Acute Tox. 4: Acute toxicity – Category 4 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 **Version history and indication of changes:** Replaces version 1.00.