

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

Printing date 01.06.2017

Version: 4

Revision: 26.04.2017

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Trade name:** SONAX INTENSIVE CLEANER / HGV - TARP - BUS

**Article number:** 06265050, 06266000-540.02, 06267050.08, 06268000.08, 06269000, 06269410.02

#### 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

Met. Corr.1 H290 May be corrosive to metals.

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

#### 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



GHS05

**Signal word** Danger

##### Hazard-determining components of labelling:

potassium hydroxide

##### Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

##### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P310 Immediately call a POISON CENTER/doctor.

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.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

**Description:** Aqueous tenside solution.

#### 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	3 - <5%
CAS: 15763-76-5 EINECS: 239-854-6 Reg.nr.: 01-2119489411-37-xxxx	sodium-p-cumene sulphonate ⚠ Eye Irrit. 2, H319	3 - <5%
CAS: 1310-58-3 EINECS: 215-181-3 Reg.nr.: 01-2119487136-33-xxxx	potassium hydroxide ⚠ Met. Corr. 1, H290; Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H302	3 - <5%
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36-xxxx	2-butoxyethanol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; 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%
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#### 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:

Immediately remove any clothing soiled by the product.  
Take affected persons out of danger area and lay down.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

##### After skin contact:

Immediately wash with water and soap and rinse thoroughly.  
Seek immediate medical advice.

##### After eye contact:

Rinse opened eye for several minutes under running water.  
Seek immediate medical advice.

##### 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

Eye irritation / Eye damage

Caustic effect on skin and mucous membranes.

#### 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.  
Wear fully protective suit.

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**Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

**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:**

Ensure adequate ventilation.

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**

Use only in well ventilated areas.

Open and handle receptacle with care.

**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:** Provide alkali-resistant floor.

**Information about storage in one common storage facility:**

Do not store together with acids.

Store away from foodstuffs.

Store away from metals.

**Further information about storage conditions:**

Keep container tightly sealed.

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:**

**CAS: 1310-58-3 potassium hydroxide**

WEL (Great Britain) Short-term value: 2 mg/m<sup>3</sup>

**CAS: 111-76-2 2-butoxyethanol**

WEL (Great Britain) Short-term value: 246 mg/m<sup>3</sup>, 50 ppm

Long-term value: 123 mg/m<sup>3</sup>, 25 ppm

Sk, BMGV

IOELV (EU) Short-term value: 246 mg/m<sup>3</sup>, 50 ppm

Long-term value: 98 mg/m<sup>3</sup>, 20 ppm

Skin

**Regulatory information** WEL (Great Britain): EH40/2011

**DNELs**

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

Oral DNEL 15 mg/kg (VL)

Dermal DNEL 1650 mg/kg (VL)

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Inhalative	DNEL	2750 mg/kg (worker long-term)
	DNEL	52 mg/m <sup>3</sup> (VL)
	DNEL	175 mg/m <sup>3</sup> (worker long-term)
<b>CAS: 15763-76-5 sodium-p-cumene sulphonate</b>		
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 <sup>3</sup> (consumer) (longterm systematic effects)
		53.6 mg/m <sup>3</sup> (worker) (longterm systematic effects)
<b>CAS: 111-76-2 2-butoxyethanol</b>		
Oral	DNEL	13.4 mg/kg (consumer) (acute effect)
	DNEL	3.2 mg/kg (consumer) (chronic effect (24h))
Dermal	DNEL	44.5 mg/kg (consumer) (acute effects (24h))
		89 mg/kg (worker) (acute effect (24h))
	DNEL	38 mg/kg (consumer) (chronic effect (24h))
		75 mg/kg (worker) (chronic effects (24h))
Inhalative	DNEL	426 mg/m <sup>3</sup> (consumer) (acute effects)
		663 mg/m <sup>3</sup> (worker) (acute Effect)
	DNEL	123 mg/m <sup>3</sup> (consumer) (acute effect, local effects)
		246 mg/m <sup>3</sup> (worker) (acute effect, local effects)
	DNEL	49 mg/m <sup>3</sup> (consumer) (chronic effect)
		98 mg/m <sup>3</sup> (worker) (chronic effects)
<b>CAS: 577-11-7 Sodium diisooctyl sulphosuccinate</b>		
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 <sup>3</sup>
<b>PNECs</b>		
<b>CAS: 68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts</b>		
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))
<b>CAS: 111-76-2 2-butoxyethanol</b>		
PNEC		463 mg/l (STP)
		8.8 mg/l (water (fresh water))
		0.88 mg/l (water (sea water))
PNEC		34.6 mg/kg (sediment (fresh water))
		3.46 mg/kg (sediment (sea water))
		2.8 mg/kg (soil)
<b>CAS: 577-11-7 Sodium diisooctyl sulphosuccinate</b>		
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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**Ingredients with biological limit values:****CAS: 111-76-2 2-butoxyethanol**

BMGV (Great Britain)	240 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: butoxyacetic acid
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**Regulatory information** BMGV (Great Britain): EH40/2011**Additional information:** The lists valid during the making were used as basis.**8.2 Exposure controls****Suitable technical control devices**

Ensure good ventilation. This can be achieved by localised extraction or general ventilation. If this is not sufficient to keep the concentration below the occupational exposure limit, suitable breathing protection is to be worn.

**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:**

If the occupational exposure limit is exceeded:

The following breathing protection is recommended:

Filter P2

Filter P3

[DIN EN 14387]

**Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

**Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.4$  mm

[EN 374]

**Penetration time of glove material** Value for the permeation: Level 6 ( $\geq 480$ min)

**Eye protection:**

Tightly sealed goggles

[EN 166]

## SECTION 9: Physical and chemical properties

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

<b>Form:</b>	Fluid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

**pH-value:** 12.5 - 13.5

**Change in condition**

**Melting point/freezing point:** Undetermined.  
**Initial boiling point and boiling range:**  $\geq 100$  °C

**Flash point:** Not applicable.

**Flammability (solid, gas):** Not applicable.

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**Ignition temperature:**
**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:** 1.12 - 1.14 g/cm<sup>3</sup>
**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** Exothermic reaction with strong acids

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

**10.5 Incompatible materials:** acids

**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 &gt;5000 mg/kg (rat) (OECD 401)

Dermal LD50 &gt;5000 mg/kg (rat) (OECD 402)

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

Oral LD50 &gt;7000 mg/kg (rat)

Dermal LD50 2000 mg/kg (rat)

**CAS: 1310-58-3 potassium hydroxide**

Oral LD50 333 mg/kg (rat)

**CAS: 111-76-2 2-butoxyethanol**

Oral LD0 1414 mg/kg (Gp)

LD50 1746 mg/kg (rat)

Dermal LD50 &gt;2000 mg/kg (Gp) (OECD 402)

**CAS: 577-11-7 Sodium diisooctyl sulposuccinate**

Oral LD50 &gt;2100 mg/kg (rat)

Dermal LD50 &gt;10.00 mg/kg (rat)

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

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

Causes severe skin burns and eye damage.

**Serious eye damage/irritation**

Causes severe skin burns and eye damage.

**Values relevant for classification:****68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2.5 mol EO):**

Specific concentration limits [SCL] (ECHA)

≥ 5.0% &lt; 10.0% Eye Irrit. 2 | ≥ 10.0% Eye Damage 1

**Respiratory or skin sensitisation**

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

**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****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)

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)

**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: 1310-58-3 potassium hydroxide**

LC50 / 96h	80 mg/l (Gambusia affinis)
LC50 / 24h	165 mg/l (Poecilla reticulata)
EC 50/15 min	22 mg/l (Photobacterium phosphoreum)

**CAS: 111-76-2 2-butoxyethanol**

Oral	EC0/16h	700 mg/l (Pseudomonas putida)
	LC0	>3.1 mg/l (Gp)
	LC50 / 96h	1474 mg/l (Oncorhynchus mykiss)
	EC50 / 48h	1550 mg/l (daphnia) (OECD 202)

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EC50 / 72h	1840 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
NOELR 21d	>100 mg/l (Brachydanio rerio) 100 mg/l (Daphnia magna)
<b>CAS: 577-11-7 Sodium diisooctyl sulphosuccinate</b>	
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)

### CAS: 111-76-2 2-butoxyethanol

Biodegradation 90 % (OECD 301B)

**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

20 01 29\* detergents containing dangerous substances

#### Uncleaned packaging:

15 01 10\*: packaging containing residues of or contaminated by dangerous substances

#### Recommendation:

Packaging may be reused or recycled after cleaning.

15 01 02: plastic packaging

**Recommended cleansing agents:** Water

## SECTION 14: Transport information

### 14.1 UN-Number

ADR, IMDG, IATA UN1719

### 14.2 UN proper shipping name ADR

1719 CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE, N,N-BIS(CARBOXYMETHYL)-ALANINE, TRISODIUM SALT)  
CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE, N,N-BIS(CARBOXYMETHYL)-ALANINE, TRISODIUM SALT)

IMDG, IATA

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### 14.3 Transport hazard class(es)

ADR, IMDG, IATA



**Class** 8 Corrosive substances.  
**Label** 8

### 14.4 Packing group

ADR, IMDG, IATA II

### 14.5 Environmental hazards:

**Marine pollutant:** No

**14.6 Special precautions for user** Warning: Corrosive substances.

### Transport/Additional information:

#### ADR

**Limited quantities (LQ)** 1L  
**Transport category** 2  
**Tunnel restriction code** E

**UN "Model Regulation":** UN1719, CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE, N,N-BIS(CARBOXYMETHYL)-ALANINE, TRISODIUM SALT), 8, II

## 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 pregnant and lactating women must be observed.

Employment restrictions concerning juveniles 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

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H412 Harmful to aquatic life with long lasting effects.

#### 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)

NOEL = No Observed Effect Level

NOEC = No Observed Effect Concentration

LC = letal Concentration

EC50 = half maximal effective concentraion

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

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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  
Met. Corr. 1: Corrosive to metals – Category 1  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Corr. 1A: Skin corrosion/irritation – Category 1A  
Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
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  
**\* Data compared to the previous version altered.**

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