



## Taski Jontec Tensol SD F4c

Revision: 2018-01-25

Version: 03.1

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

#### 1.1 Product identifier

**Trade name:** Taski Jontec Tensol SD F4c

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

##### Identified uses:

For professional use only.

AISE-P401 - Floor cleaner. Semi-automatic process

AISE-P403 - Floor cleaner. Manual process

**Uses advised against:** Uses other than those identified are not recommended

#### 1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, Maarssebroeksedijk 2, 3542DN Utrecht, The Netherlands

#### Contact details

Diversey Ltd

Weston Favell Centre, Northampton NN3 8PD, United Kingdom

Tel: 01604 405311, Fax: 01604 406809

Regulatory Email: customerservice.uk@diversey.com

#### 1.4 Emergency telephone number

For medical or environmental emergency only:

call 0800 052 0185

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Flam. Liq. 3 (H226)

STOT SE 3 (H336)

Skin Irrit. 2 (H315)

Eye Irrit. 2 (H319)

#### 2.2 Label elements



**Signal word:** Warning.

Contains propan-2-ol (Isopropyl Alcohol).

#### Hazard statements:

H315 + H319 - Causes skin and serious eye irritation.

H226 - Flammable liquid and vapour.

H336 - May cause drowsiness or dizziness.

#### Precautionary statements:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P403 + P235 - Store in a well-ventilated place. Keep cool.

#### 2.3 Other hazards

No other hazards known

The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

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Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
propan-2-ol	200-661-7	67-63-0	01-2119457558-25	Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319)		20-30
alkyl alcohol alkoxyate	Polymer*	111905-53-4	[4]	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)		20-30
ethanediol	203-473-3	107-21-1	01-2119456816-28	Acute Tox. 4 (H302) STOT RE 2 (H373)		3-10

\* Polymer.

For the full text of the H and EUH phrases mentioned in this Section, see Section 16.

Workplace exposure limit(s), if available, are listed in subsection 8.1.

[1] Exempted: ionic mixture. See Regulation (EC) No 1907/2006, Annex V, paragraph 3 and 4. This salt is potentially present, based on calculation, and included for classification and labelling purposes only. Each starting material of the ionic mixture is registered, as required.

[2] Exempted: included in Annex IV of Regulation (EC) No 1907/2006.

[3] Exempted: Annex V of Regulation (EC) No 1907/2006.

[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General Information:

Symptoms of intoxication may even occur after several hours. It is recommended to continue medical observation for at least 48 hours after the incident.

#### Inhalation:

Call a POISON CENTRE, doctor or physician if you feel unwell.

#### Skin contact:

Wash skin with plenty of lukewarm, gently flowing water. Take off immediately all contaminated clothing and wash it before re-use. If skin irritation occurs: Get medical advice or attention.

#### Eye contact:

Immediately rinse eyes cautiously with lukewarm water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

#### Ingestion:

Rinse mouth. Immediately drink 1 glass of water. Get medical attention or advice if you feel unwell.

#### Self-protection of first aider:

Consider personal protective equipment as indicated in subsection 8.2.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Inhalation:

May cause drowsiness or dizziness.

#### Skin contact:

Causes irritation.

#### Eye contact:

Causes severe irritation.

#### Ingestion:

No known effects or symptoms in normal use.

### 4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

### 5.2 Special hazards arising from the substance or mixture

No special hazards known.

### 5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

## SECTION 6: Accidental release measures

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

Turn off all sources of ignition. Ventilate the area.

### 6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water. Dilute with plenty of water.

### 6.3 Methods and material for containment and cleaning up

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

### 6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Measures to prevent fire and explosions:

Keep away from flames and hot surfaces. No smoking. Keep away from heat. Take precautionary measures against static discharges.

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**Measures required to protect the environment:**

For environmental exposure controls see subsection 8.2.

**Advices on general occupational hygiene:**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Diversey. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Store used personal protective equipment separately. Use personal protective equipment as required. Use only with adequate ventilation.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in accordance with local and national regulations. Keep only in original container. Store in a closed container. Store in a well-ventilated place. Keep cool. Keep away from heat and direct sunlight.

For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

**7.3 Specific end use(s)**

No specific advice for end use available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Workplace exposure limits**

Air limit values, if available:

Ingredient(s)	UK - Long term value(s)	UK - Short term value(s)
propan-2-ol	400 ppm 999 mg/m <sup>3</sup>	500 ppm 1250 mg/m <sup>3</sup>
ethanediol	10 mg/m <sup>3</sup> particulates 20 ppm vapour 52 mg/m <sup>3</sup> vapour	40 ppm vapour 104 mg/m <sup>3</sup> vapour 30 mg/m <sup>3</sup> particulate

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

**DNEL/DMEL and PNEC values****Human exposure**

DNEL oral exposure - Consumer (mg/kg bw)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
propan-2-ol	-	-	-	26
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
ethanediol	-	-	-	-

DNEL dermal exposure - Worker

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
propan-2-ol	No data available	-	No data available	888
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
ethanediol	No data available	-	No data available	106

DNEL dermal exposure - Consumer

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
propan-2-ol	No data available	-	-	319
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
ethanediol	No data available	-	No data available	53

DNEL inhalatory exposure - Worker (mg/m<sup>3</sup>)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
propan-2-ol	-	-	-	500
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
ethanediol	-	-	35	-

DNEL inhalatory exposure - Consumer (mg/m<sup>3</sup>)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
propan-2-ol	-	-	-	89
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
ethanediol	-	-	7	-

**Environmental exposure**

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## Environmental exposure - PNEC

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
propan-2-ol	140.9	140.9	140.9	2251
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
ethanediol	10	1	10	199.5

## Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m <sup>3</sup> )
propan-2-ol	552	552	28	-
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
ethanediol	37	3.7	1.53	-

## 8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

Covering activities such as filling and transfer of product to application equipment, flasks or buckets

**Appropriate engineering controls:** No special requirements under normal use conditions.  
**Appropriate organisational controls:** Avoid direct contact and/or splashes where possible. Train personnel.

## Personal protective equipment

**Eye / face protection:** Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (EN 166).  
**Hand protection:** Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.  
Suggested gloves for prolonged contact: Material: butyl rubber Penetration time:  $\geq$  480 min  
Material thickness:  $\geq$  0.7 mm  
Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time:  $\geq$  30 min  
Material thickness:  $\geq$  0.4 mm  
In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.  
**Body protection:** No special requirements under normal use conditions.  
**Respiratory protection:** No special requirements under normal use conditions.

**Environmental exposure controls:** Should not reach sewage water or drainage ditch undiluted or unneutralised.

Recommended safety measures for handling the diluted product:

**Recommended maximum concentration (%):** 10

**Appropriate engineering controls:** No special requirements under normal use conditions.  
**Appropriate organisational controls:** No special requirements under normal use conditions.

## Personal protective equipment

**Eye / face protection:** Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product.  
**Hand protection:** Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.  
**Body protection:** No special requirements under normal use conditions.  
**Respiratory protection:** No special requirements under normal use conditions.

**Environmental exposure controls:** No special requirements under normal use conditions.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Information in this section refers to the product, unless it is specifically stated that substance data is listed

	Method / remark
<b>Physical State:</b> Liquid	
<b>Colour:</b> Clear, Colourless	
<b>Odour:</b> Slightly perfumed	
<b>Odour threshold:</b> Not applicable	
<b>pH:</b> $\approx$ 9 (neat)	
<b>Melting point/freezing point (°C):</b> Not determined	Not relevant to classification of this product
<b>Initial boiling point and boiling range (°C):</b> Not determined	

Substance data, boiling point

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Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
propan-2-ol	82	Method not given	1013
alkyl alcohol alkoxyate	No data available		
ethanediol	194-205	Method not given	1013

**Flash point (°C):** ≈ 36

**Sustained combustion:** The product sustains combustion  
( UN Manual of Tests and Criteria, section 32, L.2 )

**Evaporation rate:** Not determined

**Flammability (solid, gas):** Not determined

**Upper/lower flammability limit (%):** Not determined

**Method / remark**

closed cup

Weight of evidence

Substance data, flammability or explosive limits, if available:

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
propan-2-ol	2	13
ethanediol	3.2	15.3

**Method / remark**

**Vapour pressure:** Not determined

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
propan-2-ol	4200	Method not given	20
alkyl alcohol alkoxyate	No data available		
ethanediol	12.3	Non guideline test	25

**Method / remark**

**Vapour density:** Not determined

**Relative density:** ≈ 0.97 (20 °C)

**Solubility in / Miscibility with Water:** Fully miscible

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
propan-2-ol	Soluble	Method not given	
alkyl alcohol alkoxyate	No data available		
ethanediol	Soluble	Method not given	20

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

**Method / remark**

**Autoignition temperature:** Not determined

**Decomposition temperature:** Not applicable.

**Viscosity:** Not determined

**Explosive properties:** Not explosive. Vapours may form explosive mixtures with air.

**Oxidising properties:** Not oxidising.

**9.2 Other information**

**Surface tension (N/m):** Not determined

**Corrosion to metals:** Not corrosive

Not relevant to classification of this product

Weight of evidence

Substance data, dissociation constant, if available:

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No reactivity hazards known under normal storage and use conditions.

**10.2 Chemical stability**

Stable under normal storage and use conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known under normal storage and use conditions.

**10.4 Conditions to avoid**

Take precautionary measures against static discharge.

**10.5 Incompatible materials**

None known under normal use conditions.

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**10.6 Hazardous decomposition products**

None known under normal storage and use conditions.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Mixture data:.

**Relevant calculated ATE(s):**

ATE - Oral (mg/kg): &gt;2000

Substance data, where relevant and available, are listed below:.

**Acute toxicity**

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
propan-2-ol	LD <sub>50</sub>	3570	Rat	Method not given	
alkyl alcohol alkoxylate	LD <sub>50</sub>	> 2000	Rat	Method not given	
ethanediol	LD <sub>50</sub>	300 - 2000	Rat	Method not given	

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
propan-2-ol	LD <sub>50</sub>	> 2000	Rabbit	Method not given	
alkyl alcohol alkoxylate		No data available			
ethanediol	LD <sub>50</sub>	> 2000	Rabbit	Method not given	

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propan-2-ol	LC <sub>50</sub>	> 25 (vapour)	Rat	OECD 403 (EU B.2)	6
alkyl alcohol alkoxylate		No data available			
ethanediol	LC <sub>50</sub>	> 2.5 (mist)	Rat	Weight of evidence	6

**Irritation and corrosivity**

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
propan-2-ol	Not irritant	Rabbit	OECD 404 (EU B.4)	
alkyl alcohol alkoxylate	Irritant	Rabbit	OECD 404 (EU B.4)	
ethanediol	Not irritant	Rabbit	Method not given	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
propan-2-ol	Irritant	Rabbit	OECD 405 (EU B.5)	
alkyl alcohol alkoxylate	Irritant	Rabbit	OECD 405 (EU B.5)	
ethanediol	Not corrosive or irritant	Rabbit	Method not given	

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
propan-2-ol	No data available			
alkyl alcohol alkoxylate	No data available			
ethanediol	No data available			

**Sensitisation**

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
propan-2-ol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test	
alkyl alcohol alkoxylate	No data available			
ethanediol	Not sensitising		Method not given	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
propan-2-ol	No data available			
alkyl alcohol alkoxylate	No data available			

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ethanediol	No data available			
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**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

## Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
propan-2-ol	No evidence for mutagenicity, negative test results No evidence of genotoxicity, negative test results	OECD 471 (EU B.12/13)	No evidence of genotoxicity, negative test results	OECD 474 (EU B.12)
alkyl alcohol alkoxylate	No data available		No data available	
ethanediol	No evidence for mutagenicity, negative test results	Method not given	No data available	

## Carcinogenicity

Ingredient(s)	Effect
propan-2-ol	No data available
alkyl alcohol alkoxylate	No data available
ethanediol	No evidence for carcinogenicity, negative test results

## Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
propan-2-ol			No data available				
alkyl alcohol alkoxylate			No data available				
ethanediol			No data available				No evidence for reproductive toxicity

**Repeated dose toxicity**

## Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
propan-2-ol		No data available				
alkyl alcohol alkoxylate		No data available				
ethanediol		No data available				

## Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
propan-2-ol		No data available				
alkyl alcohol alkoxylate		No data available				
ethanediol		No data available				

## Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
propan-2-ol		No data available				
alkyl alcohol alkoxylate		No data available				
ethanediol		No data available				

## Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
propan-2-ol			No data available					
alkyl alcohol alkoxylate			No data available					
ethanediol			No data available					

## STOT-single exposure

Ingredient(s)	Affected organ(s)
propan-2-ol	No data available
alkyl alcohol alkoxylate	No data available
ethanediol	No data available

## STOT-repeated exposure

Ingredient(s)	Affected organ(s)
propan-2-ol	No data available

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alkyl alcohol alkoxylate	No data available
ethanediol	No data available

**Aspiration hazard**

Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative density of the product.

**Potential adverse health effects and symptoms**

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

**SECTION 12: Ecological information****12.1 Toxicity**

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

**Aquatic short-term toxicity**

Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propan-2-ol	LC <sub>50</sub>	> 100	<i>Pimephales promelas</i>	Method not given	48
alkyl alcohol alkoxylate	LC <sub>50</sub>	1 - 10	<i>Leuciscus idus</i>	Method not given	48
ethanediol	LC <sub>50</sub>	18500	<i>Oncorhynchus mykiss</i>	Method not given	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propan-2-ol	EC <sub>50</sub>	> 100	<i>Daphnia magna Straus</i>	Method not given	48
alkyl alcohol alkoxylate	EC <sub>50</sub>	1 - 10	<i>Not specified</i>	Method not given	48
ethanediol	EC <sub>50</sub>	> 100	<i>Daphnia magna Straus</i>	Method not given	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propan-2-ol	EC <sub>50</sub>	> 100	<i>Scenedesmus quadricauda</i>	Method not given	72
alkyl alcohol alkoxylate		No data available			-
ethanediol	EC <sub>50</sub>	6500 - 13000	<i>Pseudokirchneriella subcapitata</i>	Method not given	96

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
propan-2-ol		No data available			-
alkyl alcohol alkoxylate		No data available			-
ethanediol		No data available			-

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
propan-2-ol	EC <sub>50</sub>	> 1000	<i>Activated sludge</i>	Method not given	
alkyl alcohol alkoxylate	EC <sub>10</sub>	> 1000	<i>Activated sludge</i>	DEV-L2	
ethanediol	EC <sub>50</sub>	10000	<i>Pseudomonas putida</i>	Method not given	16 hour(s)

**Aquatic long-term toxicity**

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
propan-2-ol		No data available				
alkyl alcohol alkoxylate		No data available				
ethanediol	NOEC	> 100	<i>Not specified</i>	Method not		



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				given		
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## Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
propan-2-ol		No data available				
alkyl alcohol alkoxylate		No data available				
ethanediol	NOEC	> 100		Method not given		

## Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
propan-2-ol		No data available			-	
alkyl alcohol alkoxylate		No data available			-	
ethanediol		No data available			-	

## Terrestrial toxicity

## Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
propan-2-ol		No data available			-	
alkyl alcohol alkoxylate		No data available			-	
ethanediol		No data available			-	

## Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
propan-2-ol		No data available			-	
alkyl alcohol alkoxylate		No data available			-	
ethanediol		No data available			-	

## Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
propan-2-ol		No data available			-	
alkyl alcohol alkoxylate		No data available			-	
ethanediol		No data available			-	

## Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
propan-2-ol		No data available			-	
alkyl alcohol alkoxylate		No data available			-	
ethanediol		No data available			-	

## Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
propan-2-ol		No data available			-	
alkyl alcohol alkoxylate		No data available			-	
ethanediol		No data available			-	

## 12.2 Persistence and degradability

## Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

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Ingredient(s)	Half-life time	Method	Evaluation	Remark
ethanediol	No data available	Method not given	Rapidly photodegradable	

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

**Biodegradation**

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT <sub>50</sub>	Method	Evaluation
propan-2-ol			95 % in 21 day(s)	OECD 301E	Readily biodegradable
alkyl alcohol alkoxylate			> 60 % in 28 day(s)	OECD 301F	Readily biodegradable
ethanediol			56 % in 28 day(s)	OECD 301A	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

**12.3 Bioaccumulative potential**

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
propan-2-ol	0.05	OECD 107	No bioaccumulation expected	
alkyl alcohol alkoxylate	No data available			
ethanediol	-1.34	Method not given	No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
propan-2-ol	No data available				
alkyl alcohol alkoxylate	No data available				
ethanediol	No data available				

**12.4 Mobility in soil**

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log K <sub>oc</sub>	Desorption coefficient Log K <sub>oc(des)</sub>	Method	Soil/sediment type	Evaluation
propan-2-ol	No data available				Potential for mobility in soil, soluble in water
alkyl alcohol alkoxylate	No data available				
ethanediol	No data available				Potential for mobility in soil, soluble in water

**12.5 Results of PBT and vPvB assessment**

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

**12.6 Other adverse effects**

No other adverse effects known.

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

**Waste from residues / unused products:**

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.  
20 01 29\* - detergents containing dangerous substances.

**European Waste Catalogue:**

**Empty packaging**

**Recommendation:**

Dispose of observing national or local regulations.

**Suitable cleaning agents:**

Water, if necessary with cleaning agent.

**SECTION 14: Transport information**

**Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)**

14.1 UN number: 1987

## Taski Jontec Tensol SD F4c

**14.2 UN proper shipping name:**

Alcohols, n.o.s. ( isopropanol )

**14.3 Transport hazard class(es):**

Class: 3

Label(s): 3

**14.4 Packing group:** III**14.5 Environmental hazards:**

Environmentally hazardous: No

Marine pollutant: No

**14.6 Special precautions for user:** None known.**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** The product is not transported in bulk tankers.**Other relevant information:****ADR**

Classification code: F1

Tunnel restriction code: D/E

Hazard identification number: 30

**IMO/IMDG**

EmS: F-E, S-D

The product has been classified, labelled and packaged in accordance with the requirements of ADR and the provisions of the IMDG Code. Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations:**

- Regulation (EC) No 1272/2008 - CLP
- Regulation (EC) No. 1907/2006 - REACH
- Regulation (EC) No. 648/2004 - Detergents regulation

**Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII):** Not applicable.

**Ingredients according to EC Detergents Regulation 648/2004**

non-ionic surfactants	15 - 30%
soap	< 5%
perfumes	

The surfactant(s) contained in this preparation complies(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.

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out on the mixture

**SECTION 16: Other information**

*The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract*

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**Reason for revision:**

This data sheet contains changes from the previous version in section(s):, 2, 3, 16

**Classification procedure**

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

**Full text of the H and EUH phrases mentioned in section 3:**

- H225 - Highly flammable liquid and vapour.
- H302 - Harmful if swallowed.
- H315 - Causes skin irritation.
- H319 - Causes serious eye irritation.
- H336 - May cause drowsiness or dizziness.
- H373 - May cause damage to organs through prolonged or repeated exposure.
- H412 - Harmful to aquatic life with long lasting effects.

**Abbreviations and acronyms:**

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- DNEL - Derived No Effect Limit
- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative

- ATE - Acute Toxicity Estimate

**End of Safety Data Sheet**