

KNA-CUMOLSULFONAT 40

Version: 8.10

Revision Date 09.01.2019

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****Trade name** KNA-Cumolsulfonat 40**1.2 Relevant identified uses of the substance or mixture and uses advised against****Use** Industrial use
raw material for washing and cleaning agents
surface-active substance**Uses advised against****1.3 Details of the supplier of the safety data sheet****Company** SASOL Germany GmbH
Anckelmannsplatz 1
20537 HamburgTelephone: +49 40 63684-1000
Telefax: +49 40 63684-3700**Information (Product safety):** Telephone: + 49 (0) 23 65 - 49 47 05
Telefax: + 49 (0) 23 65 - 49 92 40**E-mail address** msds-info.germany@de.sasol.com**1.4 Emergency telephone number****Emergency telephone number** + 49 (0) 23 65 - 49 22 32**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Eye irritation Category 2

Causes serious eye irritation.

2.2 Label elements**Labelling (REGULATION (EC) No 1272/2008)****Hazard pictograms****Signal word**

Warning

Hazard statements
H319

Causes serious eye irritation.

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Precautionary statements

P264	Wash skin thoroughly after handling.
P280	Wear eye protection/ face 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.

2.3 Other hazards

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture in the meaning of regulation (EC) 1907/2006.

COMPONENTS TO BE NAMED IN ACCORDANCE WITH REGULATION (EC) 1907/2006 AS WELL AS OTHER HAZARDOUS INGREDIENTS AND CONTAINED SUBSTANCES WITH WORK PLACE LIMIT VALUES

Sodium p-cumenesulphonate

content: >= 20 - < 30 %	component type: Active ingredient
EC-No.: 239-854-6	Index-No.:
REACH No.: 01-2119489411-37-0000	CAS-No.: 15763-76-5
Substance name (REACH / CLP): sodium p-cumenesulphonate	
Classification (Regulation (EC) No 1272/2008):	Eye Irrit. 2 H319

potassium p-cumenesulphonate

content: >= 20 - < 30 %	component type: Active ingredient
EC-No.: 629-764-9	Index-No.:
REACH No.: 01-2119489427-24-0000	CAS-No.: 164524-02-1
Substance name (REACH / CLP): potassium 4-isopropylbenzenesulphonate	
Classification (Regulation (EC) No 1272/2008):	Eye Irrit. 2 H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice	If you feel unwell, seek medical advice (show the label where possible). Take off all contaminated clothing immediately.
If inhaled	Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician.
In case of skin contact	Wash off with plenty of water.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a

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If swallowed physician.
Consult a physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Most important symptoms and effects, both acute and delayed Symptoms: No information available.
Risks: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Indication of any immediate medical attention and special treatment needed Treatment: No information available.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media Water spray, Dry powder, Foam, Carbon dioxide (CO2)

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting Dangerous gases or fumes may occur in case of fire.

5.3 Advice for firefighters

Special protective equipment for firefighters Wear self-contained breathing apparatus for firefighting if necessary.

Further information Standard procedure for chemical fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions Use personal protective equipment.

Special precautions Forms slippery/greasy layers with water.

6.2 Environmental precautions

Environmental precautions Avoid subsoil penetration.
Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections

For personal protection see section 8.

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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling	Wear personal protective equipment.
Advice on protection against fire and explosion	No special protective measures against fire required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	No special storage conditions required.
Storage class (TRGS 510)	12: Non Combustible Liquids

7.3 Specific end use(s)

Specific use(s)	This information is not available.
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

National occupational exposure limits

No data available

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

No data available

DERIVED NO EFFECT LEVEL (DNEL)

Substance name: sodium p-cumenesulphonate			
End Use	Exposure routes	Value	Note
Workers	dermal, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	dermal, Acute/short-term exposure - local effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - local effects		Not relevant / not applicable
	dermal, long-term exposure - systemic effects	136,25 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	26,9 mg/m ³	
	dermal, long-term exposure - local effects	0,096 mg/cm ²	
	Inhalation, long-term exposure - local effects		Not relevant / not applicable
Consumers	dermal, Acute/short-term exposure - systemic effects		Not relevant / not applicable

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	Inhalation, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	Oral, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	dermal, Acute/short-term exposure - local effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - local effects		Not relevant / not applicable
	dermal, long-term exposure - systemic effects	68,1 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	6,6 mg/m3	
	Oral, long-term exposure - systemic effects	3,8 mg/kg	based on body weight and day
	dermal, long-term exposure - local effects	0,048 mg/cm2	
	Inhalation, long-term exposure - local effects		Not relevant / not applicable

Substance name: potassium 4-isopropylbenzenesulphonate			
End Use	Exposure routes	Value	Note
Workers	dermal, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	dermal, Acute/short-term exposure - local effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - local effects		Not relevant / not applicable
	dermal, long-term exposure - systemic effects	136,25 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	26,9 mg/m3	
	dermal, long-term exposure - local effects	0,096 mg/cm2	
	Inhalation, long-term exposure - local effects		Not relevant / not applicable
Consumers	dermal, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	Oral, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	dermal, Acute/short-term exposure - local effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - local effects		Not relevant / not applicable
	dermal, long-term exposure - systemic effects	68,1 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	6,6 mg/m3	
	Oral, long-term exposure - systemic effects	3,8 mg/kg	based on body weight and day

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	dermal, long-term exposure - local effects	0,048 mg/cm ²	
	Inhalation, long-term exposure - local effects		Not relevant / not applicable

PREDICTED NO EFFECT CONCENTRATION (PNEC)

Substance name: sodium p-cumenesulphonate		
Environmental Compartment	Value	Note
Fresh water	0,23 mg/l	
Marine water	0,023 mg/l	
intermittent release	2,3 mg/l	
treatment plant	100 mg/l	
Fresh water sediment	0,862 mg/kg	based on dry weight
Marine sediment	0,0862 mg/kg	based on dry weight
Soil	0,037 mg/kg	based on dry weight
food		Not relevant / not applicable

Substance name: potassium 4-isopropylbenzenesulphonate		
Environmental Compartment	Value	Note
Fresh water	0,23 mg/l	
Marine water	0,023 mg/l	
intermittent release	2,3 mg/l	
treatment plant	100 mg/l	
Fresh water sediment	0,862 mg/kg	
Marine sediment	0,0862 mg/kg	
Soil	0,037 mg/kg	
food		Not relevant / not applicable

8.2 Exposure controls

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection

No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where aerosols are in use, or smoke and mist occur, use self-contained breathing apparatus or breathing apparatus with a type A filter or appropriate combined filter (e.g. where aerosols are in use, or smoke and mist occur, A-P2 or ABEK-P2), in compliance with EN 141.

Hand protection

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other., Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time., Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).

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gloves suitable for permanent contact:

Material: butyl-rubber
 Break through time: \geq 480 min
 Layer thickness: \geq 0,7 mm

gloves suitable for splash protection:

Material: Nitrile rubber/nitrile latex
 Break through time: \geq 30 min
 Layer thickness: \geq 0,4 mm

Eye protection	Tightly fitting safety goggles
Skin and body protection	Wear suitable protective equipment.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs.
Protective measures	Avoid contact with eyes. Wear suitable gloves and eye/face protection.

ENVIRONMENTAL EXPOSURE CONTROLS

General advice	Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	liquid; 20 °C; 1.013 hPa
Form	liquid
Colour	clear
Odour	mild
Odour Threshold	No valid method available
pH	6,5 - 9; 20 g/l; 20 °C
Melting point/range	ca. 5 °C
Flash point	Not applicable Justification: as aqueous solution
Evaporation rate	No data available
Flammability (solid, gas)	not auto-flammable
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	< 0,1 hPa; 20 °C
Relative vapour density	> 1
Density	ca.1,15 g/cm ³ ; 20 °C
Water solubility	20 °C; completely miscible

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Partition coefficient: n-octanol/water	not applicable (mixture)
Ignition temperature	Not applicable
Auto-ignition temperature	not auto-flammable
Viscosity, dynamic	ca. 15 mPas; 25 °C
Explosive properties	not expected based on structure and functional groups
Oxidizing properties	not expected based on structure and functional groups

9.2 Other data

Additional advice	no data
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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Note	No decomposition if stored and applied as directed.
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10.2 Chemical stability

Note	Stable under normal conditions.
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10.3 Possibility of hazardous reactions

Hazardous reactions	None known.
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10.4 Conditions to avoid

Conditions to avoid	Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation.
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10.5 Incompatible materials to avoid

Materials to avoid	Strong acids and oxidizing agents;
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10.6 Hazardous decomposition products

Hazardous decomposition products	No decomposition if stored normally.
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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects**Acute toxicity****Acute oral toxicity**

Sodium p-cumenesulphonate:
LD50 Rat: > 2.000 mg/kg; OECD Test Guideline 401
Category approach
Based on available data, the classification criteria are not met.

potassium p-cumenesulphonate:
LD50 Rat: > 2.000 mg/kg; OECD Test Guideline 401
Symptoms: Piloerection
Category approach
Based on available data, the classification criteria are not met.

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Acute inhalation toxicity	Sodium p-cumenesulphonate: LC50 Rat: > 5 mg/l; 232 min Category approach Based on available data, the classification criteria are not met. potassium p-cumenesulphonate: LC50 Rat: > 5 mg/l; 232 min Category approach Based on available data, the classification criteria are not met.
Acute dermal toxicity	Sodium p-cumenesulphonate: LD50 Rabbit: > 2.000 mg/kg; (literature value) Category approach Based on available data, the classification criteria are not met. potassium p-cumenesulphonate: LD50 Rabbit: > 2.000 mg/kg; OECD Test Guideline 402 (literature value) Category approach Based on available data, the classification criteria are not met.
Skin corrosion/irritation	
Skin irritation	Sodium p-cumenesulphonate: Rabbit: slightly irritating; OECD Test Guideline 404 (literature value) Category approach Based on available data, the classification criteria are not met. potassium p-cumenesulphonate: Rabbit: slightly irritating; OECD Test Guideline 404 (literature value) Category approach Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	
Eye irritation	Sodium p-cumenesulphonate: Rabbit: moderately irritating; OECD Test Guideline 405 (literature value) Category approach Causes serious eye irritation. potassium p-cumenesulphonate: Rabbit: moderately irritating; OECD Test Guideline 405 (literature value) Category approach Causes serious eye irritation.
Respiratory or skin sensitisation	
Sensitisation	Sodium p-cumenesulphonate: Buehler Test Guinea pig: not sensitizing; OECD Test Guideline 406 (literature value) Category approach Based on available data, the classification criteria are not met. potassium p-cumenesulphonate: Buehler Test Guinea pig: not sensitizing; OECD Test Guideline 406 (literature value) Category approach Based on available data, the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity in vitro	Sodium p-cumenesulphonate: In vitro tests did not show mutagenic effects (literature value)

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	Category approach
	potassium p-cumenesulphonate: In vitro tests did not show mutagenic effects Category approach
Genotoxicity in vivo	Sodium p-cumenesulphonate: In vivo tests did not show mutagenic effects (literature value) Category approach
	potassium p-cumenesulphonate: In vivo tests did not show mutagenic effects Category approach
Remarks	Sodium p-cumenesulphonate: Based on available data, the classification criteria are not met.
	potassium p-cumenesulphonate: Based on available data, the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Sodium p-cumenesulphonate: Rat; Dermal; 2 years; 5 days/week; OECD Test Guideline 453 In this study no cancerogenic effects were observed. (literature value) Category approach
	potassium p-cumenesulphonate: Rat; Dermal; 2 years; 5 days/week; OECD Test Guideline 453 In this study no cancerogenic effects were observed. (literature value) Category approach
Remarks	Sodium p-cumenesulphonate: Based on available data, the classification criteria are not met.
	potassium p-cumenesulphonate: Based on available data, the classification criteria are not met.
Reproductive toxicity	
Reproductive toxicity	potassium p-cumenesulphonate: study scientifically unjustified Justification: No indication of substance-related effects in repeat dose studies, reproductive screening studies and developmental toxicity studies. Category approach (literature value)
RemarksReproductive toxicity	Sodium p-cumenesulphonate: Based on available data, the classification criteria are not met.
Effects on fertility	Sodium p-cumenesulphonate: Rat; Oral; OECD Test Guideline 421 General Toxicity - Parent: NOAEL 300 mg/kg bw/day General Toxicity F1: NOAEL 1.000 mg/kg bw/day (literature value) Category approach
Teratogenicity	potassium p-cumenesulphonate: Rat; Oral NOAEL: 3.000 mg/kg (based on body weight and day) NOAEL (pregnant female): 3.000 mg/kg (based on body weight and day) (literature value) Category approach
Remarks-Teratogenicity	Sodium p-cumenesulphonate: Based on available data, the classification criteria are not met.

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Effects on foetal development	<p>potassium p-cumenesulphonate: Based on available data, the classification criteria are not met.</p> <p>Sodium p-cumenesulphonate: Rat; Oral General Toxicity Maternal: NOAEL 936 mg/kg bw/day Teratogenicity: NOAEL 936 mg/kg bw/day (literature value) Category approach</p>
STOT - single exposure	
Remarks	<p>Sodium p-cumenesulphonate: The substance or mixture is not classified as specific target organ toxicant, single exposure.</p> <p>potassium p-cumenesulphonate: The substance or mixture is not classified as specific target organ toxicant, single exposure.</p>
STOT - repeated exposure	
Remarks	<p>Sodium p-cumenesulphonate: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.</p> <p>potassium p-cumenesulphonate: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.</p>
Repeated dose toxicity	<p>Sodium p-cumenesulphonate: Rat; Oral; Subchronic toxicity NOAEL: 763 mg/kg (based on body weight and day) Target Organs: Cardio-vascular system (literature value) Category approach</p> <p>Sodium p-cumenesulphonate: Rat; Dermal; 2 years NOAEL: 60 mg/kg (based on body weight and day); OECD Test Guideline 453 Target Organs: Skin Symptoms: Local effects (literature value) Category approach</p> <p>potassium p-cumenesulphonate: Rat; Oral; Subchronic toxicity NOAEL: 763 mg/kg (based on body weight and day); OECD Test Guideline 408 Target Organs: Cardio-vascular system (literature value) Category approach</p> <p>potassium p-cumenesulphonate: Mouse; Dermal; Subchronic toxicity NOAEL: 440 mg/kg (based on body weight and day) LOAEL: 1.300 mg/kg (based on body weight and day); OECD Test Guideline 411 Target Organs: Skin (literature value) Category approach</p>
Aspiration hazard	
Aspiration toxicity	<p>Sodium p-cumenesulphonate: Not applicable</p> <p>potassium p-cumenesulphonate: Not applicable</p>

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Toxicological information

Sodium p-cumenesulphonate:
Absorption through skin is possible.
(literature value)
Category approach

potassium p-cumenesulphonate:
Absorption through skin is possible.
Category approach
(literature value)

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish

Sodium p-cumenesulphonate:
LC50 (96 h) Oncorhynchus mykiss (rainbow trout): > 100 mg/l ; static test
(literature value)
Category approach

potassium p-cumenesulphonate:
LC50 (96 h) Oncorhynchus mykiss (rainbow trout): > 100 mg/l ; static test
(literature value)
Category approach

Toxicity to fish - Chronic toxicity

Sodium p-cumenesulphonate:
study scientifically unjustified
Justification:
exposure considerations
Category approach

potassium p-cumenesulphonate:
study scientifically unjustified
Justification:
exposure considerations
Category approach

Toxicity to daphnia and other aquatic invertebrates

Sodium p-cumenesulphonate:
EC50 (48 h) Daphnia magna (Water flea): > 100 mg/l ; static test
(literature value)
Category approach

potassium p-cumenesulphonate:
EC50 (48 h) Daphnia magna (Water flea): > 100 mg/l ; static test
(literature value)
Category approach

Toxicity to daphnia and other aquatic invertebrates - Chronic toxicity

Sodium p-cumenesulphonate:
study scientifically unjustified
Justification:
exposure considerations
Category approach

potassium p-cumenesulphonate:
study scientifically unjustified
Justification:
exposure considerations
Category approach

Toxicity to aquatic plants

Sodium p-cumenesulphonate:
EC50 (96 h) Pseudokirchneriella subcapitata (green algae): > 100 mg/l ; cell
number; static test; (literature value)
Category approach

potassium p-cumenesulphonate:
EC50 (96 h) Pseudokirchneriella subcapitata (green algae): > 100 mg/l ; cell
number; static test; (literature value)

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Toxicity to bacteria	<p>Category approach</p> <p>Sodium p-cumenesulphonate: EC10 (3 h) activated sludge of a predominantly domestic sewage: > 1.000 mg/l; Respiration inhibition; OECD Test Guideline 209 Category approach</p> <p>potassium p-cumenesulphonate: EC10 (3 h) activated sludge of a predominantly domestic sewage: > 1.000 mg/l; Growth inhibition; OECD Test Guideline 209 Category approach</p>
Toxicity to soil dwelling organisms	<p>Sodium p-cumenesulphonate: The study is not necessary. Justification: unlikely direct and indirect exposure of the soil compartment</p> <p>potassium p-cumenesulphonate: The study is not necessary. Justification: unlikely direct and indirect exposure of the soil compartment</p>
Toxicity to terrestrial flora	<p>Sodium p-cumenesulphonate: The study is not necessary. Justification: unlikely direct and indirect exposure of the soil compartment</p> <p>potassium p-cumenesulphonate: The study is not necessary. Justification: unlikely direct and indirect exposure of the soil compartment</p>
Toxicity for other terrestrial non-mammalian fauna	<p>Sodium p-cumenesulphonate: The study is not necessary. Justification: unlikely direct and indirect exposure of the soil compartment</p> <p>potassium p-cumenesulphonate: The study is not necessary. Justification: unlikely direct and indirect exposure of the soil compartment</p>
12.2 Persistence and degradability	
Biodegradability	<p>Sodium p-cumenesulphonate: Readily biodegradable.; > 60 %; 28 d; aerobic; OECD Test Guideline 301B (literature value) Category approach</p> <p>potassium p-cumenesulphonate: Readily biodegradable.; > 60 %; 28 d; aerobic; OECD Test Guideline 301B (literature value) Category approach</p>
12.3 Bioaccumulative potential	
Bioaccumulation	<p>Sodium p-cumenesulphonate: Bioaccumulation is unlikely. Category approach</p> <p>potassium p-cumenesulphonate: Bioaccumulation is unlikely. Category approach</p>
12.4 Mobility in soil	
Mobility	<p>Sodium p-cumenesulphonate: Not expected to adsorb on soil. The study is not necessary. Justification: Readily biodegradable.</p>

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potassium p-cumenesulphonate:
 Not expected to adsorb on soil.
 The study is not necessary.
 Justification:
 Readily biodegradable.
 (literature value)

12.5 Results of PBT and vPvB assessment

Results of PBT assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Results of PBT assessment	<p>Sodium p-cumenesulphonate: This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB). Category approach</p> <p>potassium p-cumenesulphonate: This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB). Category approach</p>

12.6 Other adverse effects

General advice	<p>Sodium p-cumenesulphonate: None known.</p> <p>potassium p-cumenesulphonate: None known.</p>
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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product	Can be incinerated, when in compliance with local regulations.
waste code of the European Union: EWC	The waste code must be determined in agreement with the regional waste disposal authority or company. A waste code in accordance with the European Waste Catalogue (EWC) may not be assigned to this product since it admits of a classification only when the consumer uses it for some purpose.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.2 Proper shipping name

ADR	Not dangerous goods
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RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.3 Transport hazard class

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.4 Packing group

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.5 Environmental hazards

ADR	Environmentally hazardous	no
RID	Environmentally hazardous	no
ADN	Environmentally hazardous	no
IMDG	Marine pollutant	no
ICAO/IATA	Environmentally hazardous	no

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks No information available.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Occupational restrictions Employment restrictions for children and young workers in accordance with Directive 94/33/EC and the respective national provisions are to be observed.

NATIONAL/OTHER REGULATIONS

Legislation on the control of major-accident hazards involving dangerous substances Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
list entry in the directive: Not applicable

Other regulations 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

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authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

NOTIFICATION STATUS

Switzerland. Consolidated Inventory	CH INV	listed (product or constituents are listed)
US. Toxic Substances Control Act	TSCA	not listed (product or constituents are not listed)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	DSL	not listed (product or constituents are not listed)
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand	NZIOC	listed (product or constituents are listed)
Australia. Industrial Chemical (Notification and Assessment) Act	AICS	not listed (product or constituents are not listed)
Japan. Kashin-Hou Law List	ENCS (JP)	listed (product or constituents are listed)
Korea. Existing Chemicals Inventory (KECI)	KECI (KR)	listed (product or constituents are listed)
Japan. Industrial Safety & Health Law (ISHL) List	ISHL (JP)	not listed (product or constituents are not listed)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	PICCS (PH)	listed (product or constituents are listed)
China. Inventory of Existing Chemical Substances	INV (CN)	listed (product or constituents are listed)

Please note: the names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in chapter 3.

15.2 Chemical safety assessment

potassium 4-isopropylbenzenesulphonate

A Chemical Safety Assessment has been carried out for this substance.

sodium p-cumenesulphonate

A Chemical Safety Assessment has been carried out for this substance.

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H319 Causes serious eye irritation.

Safety datasheet sections which have been updated:

2. Hazards identification

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- 3. Composition/information on ingredients
- 9. Physical and chemical properties
- 12. Ecological information
- 15. Regulatory information

Further information:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

Key or legend to abbreviations and acronyms used in the safety data sheet

ADN	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
AICS	Australian Inventory of Chemical Substances
ANSI	American National Standards Institute
ASTM	American Society of Testing and Materials (US)
BCF	Bioconcentration factor
CLP	Regulation on Classification, Labelling and Packaging of Substances and Mixtures
DIN	Deutsches Institut für Normung
DNEL	Derived No-Effect Level
DSL	Domestic Substances List
EC...	Effect concentration ... %
ENCS	Existing Notified Chemical Substances (Japan)
EWC	European Waste Catalogue
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISHL	Industrial Safety and Health Law (Japan)
ISO	International Organization for Standardization
IUAPC	International Union of Pure and Applied Chemistry
KECI	Korea Existing Chemicals Inventory
LC...	Lethal Concentration, ...%
LD...	Lethal Dose, ...%
MARPOL	International Convention for the Prevention of Pollution From Ships
NDSL	Non-Domestic Substances List
NOAEL	no observable adverse effect level
NOEL/NOEC	No Observed-effect level/concentration
NZIoC	New Zealand Inventory of Chemicals
OECD	Organisation for Economic Co-operation and Development
PBT	persistent, bioaccumulative, toxic
PICCS	Philippine Inventory of Chemicals and Chemical Substances
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport international ferroviaire de marchandises dangereuses
TG	Test Guideline
TRGS	Technische Regeln für Gefahrstoffe
TSCA	Toxic Substances Control Act
vPvB	very persistent, very bioaccumulative
WGK	Wassergefährdungsklasse

Annex

Attachments to the safety data sheet and/or lists of the identified uses for the listed substances can be downloaded using the internet links below.

potassium 4-isopropylbenzenesulphonate

http://www.sasolgermany.de/fileadmin/doc/productsafety/Annex/000000015547_EN_01.pdf



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sodium p-cumenesulphonate

http://www.sasolgermany.de/fileadmin/doc/productsafety/Annex/000000000229_EN_01.pdf
