

# Safety data sheet

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BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 13.05.2025

Version: 7.0

Date / Previous version: 04.01.2022

Previous version: 6.0

Product: **Agnique® ABS 60 C-EH**

(ID no. 30534053/SDS\_GEN\_GB/EN)

Date of print 26.04.2026

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

### 1.1. Product identifier

## Agnique® ABS 60 C-EH

UFI: KS0G-4J38-C00S-1NWJ

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

Relevant identified uses: Additives for agrochemicals

For the detailed identified uses of the product see appendix of the safety data sheet.

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

Company:BASF SE  
67056 Ludwigshafen  
GERMANYContact address:BASF plc  
4th and 5th Floors, 2 Stockport Exchange  
Railway Road, Stockport, SK1 3GG  
UNITED KINGDOM

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Telephone: +44 161 475 3000

E-mail address: product-safety-uk-and-ireland@basf.com

### 1.4. Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

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## SECTION 2: Hazards Identification

### 2.1. Classification of the substance or mixture

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For the classification of the mixture the following methods have been applied: extrapolation on the concentration levels of the hazardous substances, on basis of test results and after evaluation of experts. The methodologies used are mentioned at the respective test results.

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Acute Tox. 4 (Inhalation - mist)	H332 Harmful if inhaled.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Dam. 1	H318 Causes serious eye damage.
STOT SE 3	H335 May cause respiratory irritation.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

For the classifications not written out in full in this section the full text can be found in section 16.

## 2.2. Label elements

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Pictogram:



Signal Word:

Danger

Hazard Statement:

H318	Causes serious eye damage.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and eye protection or face protection.

Precautionary Statements (Response):

P310	Immediately call a POISON CENTER or physician.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
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Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
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Hazard determining component(s) for labelling: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts, 2-Ethylhexan-1-ol

### 2.3. Other hazards

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

No specific dangers known, if the regulations/notes for storage and handling are considered.

## SECTION 3: Composition/Information on Ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

#### Chemical nature

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts, 2-Ethylhexan-1-ol

#### Hazardous ingredients (GHS)

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts

Content (W/W): >= 50 % - < 75 %	Skin Irrit. 2
CAS Number: 84989-14-0	Eye Dam. 1
EC-Number: 284-903-7	Aquatic Chronic 3
REACH registration number: 01-2119560592-37	H318, H315, H412

2-Ethylhexan-1-ol

Content (W/W): >= 25 % - < 50 %	Acute Tox. 4 (Inhalation - mist)
CAS Number: 104-76-7	Skin Irrit. 2
EC-Number: 203-234-3	Eye Irrit. 2
REACH registration number: 01-2119487289-20	STOT SE 3 (irr. to respiratory syst.)
	Aquatic Chronic 3
	H319, H315, H332, H335, H412

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

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## SECTION 4: First-Aid Measures

### 4.1. Description of first aid measures

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

On skin contact:

Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

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

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## SECTION 5: Fire-Fighting Measures

### 5.1. Extinguishing media

Suitable extinguishing media:  
dry powder, alcohol-resistant foam

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

Endangering substances: harmful vapours, carbon oxides, sulfur oxides

Advice: Generation of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### 5.3. Advice for fire-fighters

Special protective equipment:  
Wear a self-contained breathing apparatus.

Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## SECTION 6: Accidental Release Measures

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

Use personal protective clothing. Information regarding personal protective measures, see section 8. Ensure adequate ventilation. Do not breathe vapour/spray. Avoid contact with the skin, eyes and clothing.

### 6.2. Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

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

For large amounts: Dike spillage. Cover with blanket of foam (alcohol-resistant foam). Pump off product.

For residues: Pick up with suitable absorbent material.

Cleaning operations should be carried out only while wearing breathing apparatus. Dispose of absorbed material in accordance with regulations.

### 6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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## SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed. Use suitable chemically resistant gloves. Use suitable eye protection. Clear spills immediately Carefully pour from container.

For industrial users only: Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour) Alternatively: Wear a suitable respiratory protection with adequate effectiveness (90%). In case no respiratory protection is used: Use a local exhaust ventilation with adequate effectiveness.

Restricted to professional users: Wear a suitable respiratory protection with adequate effectiveness (90%). Alternatively: Reduce concentration to less than 5%

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Take precautionary measures against static discharges.

### 7.2. Conditions for safe storage, including any incompatibilities

Suitable materials for containers: High density polyethylene (HDPE), Stainless steel 1.4301 (V2), Stainless steel 1.4306 (V2A), Stainless steel 1.4361, Stainless steel 1.4401, Stainless steel 1.4541, Stainless steel 1.4571, Stove-lacquer RDL 50, Stainless steel 1.4439

Unsuitable materials for containers: zinc, aluminum

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Further information on storage conditions: Keep container tightly closed and in a cool place. Avoid all sources of ignition: heat, sparks, open flame.

Storage stability:

Storage temperature:  $\leq 40$  °C

Protect from temperatures below: 0 °C

The product is not damaged by low temperatures or by frost.

Protect from temperatures above: 40 °C

Properties of the product change irreversibly on exceeding the limit temperature.

### 7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control parameters

#### Components with occupational exposure limits

104-76-7: 2-Ethylhexan-1-ol

TWA value 5.4 mg/m<sup>3</sup> ; 1 ppm (OEL (EU))

indicative

TWA value 5.4 mg/m<sup>3</sup> ; 1 ppm (WEL/EH 40 (UK))

#### PNEC

Data refer to the lead substance

#### Components with PNEC

84989-14-0: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts

freshwater: 0.023 mg/l

marine water: 0.0023 mg/l

STP: 3 mg/l

sediment (freshwater): 0.174 mg/kg

sediment (marine water): 0.0174 mg/kg

intermittent release: 0.01 mg/l

soil: 0.62 mg/kg

#### DNEL

Data refer to the lead substance

#### Components with DNEL

104-76-7: 2-Ethylhexan-1-ol

worker: Long-term exposure- systemic effects, Inhalation: 12.8 mg/m<sup>3</sup>

worker: Long-term exposure- systemic effects, dermal: 23 mg/kg

worker: Short-term exposure - local effects, Inhalation: 53.2 mg/m<sup>3</sup>

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consumer: Long-term exposure- systemic effects, Inhalation: 2.3 mg/m<sup>3</sup>  
consumer: Long-term exposure- systemic effects, dermal: 11.4 mg/kg  
consumer: Short-term exposure - local effects, Inhalation: 26.6 mg/m<sup>3</sup>  
worker: Long-term exposure - local effects, Inhalation: 53.2 mg/m<sup>3</sup>  
consumer: Long-term exposure - local effects, Inhalation: 26.6 mg/m<sup>3</sup>  
consumer: Long-term exposure- systemic effects, oral: 1.1 mg/kg

## 8.2. Exposure controls

### Personal protective equipment

#### Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

#### Hand protection:

Chemical resistant protective gloves (EN ISO 374-1)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

fluoroelastomer (FKM) - 0.7 mm coating thickness

Polyethylene-Laminate (PE laminate) - ca. 0.1 mm coating thickness

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

nitrile rubber (NBR) - 0.4 mm coating thickness

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

#### Eye protection:

Tightly fitting safety goggles (cage goggles) (e.g. EN 166) and face shield.

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

### General safety and hygiene measures

Wearing of closed work clothing is required additionally to the stated personal protection equipment. Avoid contact with the skin, eyes and clothing. Do not breathe vapour/spray. Hands and/or face should be washed before breaks and at the end of the shift. No eating, drinking, smoking or tobacco use at the place of work. Store work clothing separately. Handle in accordance with good industrial hygiene and safety practice.

### Environmental exposure controls

Do not discharge product into the environment without control.

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## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Form:	liquid	
Colour:	light brown	
Odour:	product specific	
pH value:	6 - 7 (5 %(m), 20 °C)	(DIN EN 1262)
solidification temperature:	approx. -20 °C	
Boiling range:	160 - 230 °C	
Flash point:	approx. 75 °C	(ISO 2719)
Evaporation rate:	not determined	
Flammability:	Combustible liquid.	(derived from flash point)
Lower explosion limit:	For liquids not relevant for classification and labelling., The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Ignition temperature:	approx. 285 °C	
Vapour pressure:	not determined	
Density:	approx. 0.9914 g/cm <sup>3</sup> (20 °C)	(DIN 51757)
	approx. 0.971 g/cm <sup>3</sup> (50 °C)	(DIN 51757)
Relative density:	approx. 0.9914 (20 °C)	
Relative vapour density (air):	not determined	
Solubility in water:	insoluble	
Partitioning coefficient n-octanol/water (log Kow):	not applicable for mixtures	
Self ignition:	not self-igniting	
Thermal decomposition:	not determined	
Viscosity, dynamic:	approx. 5,000 mPa.s (30 °C)	(DIN EN ISO 2555)
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	

### 9.2. Other information

Self heating ability: It is not a substance capable of spontaneous heating according to UN transport regulations class 4.2.

Hygroscopy: Non-hygroscopic

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Surface tension: approx. 27.3 mN/m (DIN EN 14370)  
(20 °C; 0.5 % (V))  
Grain size distribution: The substance / product is marketed or used in a non solid or granular form.

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## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

### 10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### 10.3. Possibility of hazardous reactions

Generation of flammable gases/vapours.

### 10.4. Conditions to avoid

See SDS section 7 - Handling and storage.

### 10.5. Incompatible materials

Substances to avoid:  
acids, Alkalines, caustics, halogens, reactive chemicals

### 10.6. Hazardous decomposition products

Hazardous decomposition products:  
No hazardous decomposition products if stored and handled as prescribed/indicated.

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## SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects

#### Acute toxicity

Assessment of acute toxicity:

Of low toxicity after single ingestion. Of moderate toxicity after short-term inhalation. Of low toxicity after short-term skin contact.

Experimental/calculated data:

ATE rat (oral): > 2,000 - 5,000 mg/kg (calculated)

ATE rat (by inhalation): > 1 - 5 mg/l (calculated)

Determined for mist

ATE (dermal): > 2,000 - 5,000 mg/kg (calculated)

*Information on: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts*

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*Experimental/calculated data:*

*LD50 rat (oral): 4,445 mg/kg (other)*

*Information on: 2-Ethylhexan-1-ol*

*Experimental/calculated data:*

*LD50 rat (oral): 2,047 mg/kg (similar to OECD guideline 401)*  
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*Information on: 2-Ethylhexan-1-ol*

*Experimental/calculated data:*

*LC50 rat (by inhalation): > 0,89 - <= 5,3 mg/l 4 h (similar to OECD guideline 403)*

*An aerosol was tested.*  
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*Information on: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts*

*Experimental/calculated data:*

*LD50 rat (dermal): 2,000 mg/kg (OECD Guideline 402)*

*The statement for acute dermal toxicity was derived from products of similar composition.*

*Information on: 2-Ethylhexan-1-ol*

*Experimental/calculated data:*

*LD50 rat (dermal): > 3,000 mg/kg (OECD Guideline 402)*  
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### Irritation

Assessment of irritating effects:

May cause severe damage to the eyes. Skin contact causes irritation.

Experimental/calculated data:

Skin corrosion/irritation

: Irritant.

The product has not been tested. The statement has been derived from the properties of the individual components.

Serious eye damage/irritation

: irreversible damage

The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts*

*Experimental/calculated data:*

*Skin corrosion/irritation*

*rabbit: Irritant. (OECD Guideline 404)*

*Information on: 2-Ethylhexan-1-ol*

*Experimental/calculated data:*

*Skin corrosion/irritation*

*rabbit: Irritant. (OECD Guideline 404)*

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*Information on: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts*

*Experimental/calculated data:*

*Serious eye damage/irritation*

*rabbit: irreversible damage (OECD Guideline 405)*

*Information on: 2-Ethylhexan-1-ol*

*Experimental/calculated data:*

*Serious eye damage/irritation*

*rabbit: Irritant. (OECD Guideline 405)*

*Serious eye damage/irritation*

*rabbit: Irritant. (OECD Guideline 405)*

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#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on the ingredients, there is no suspicion of a skin-sensitizing potential.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on the ingredients, there is no suspicion of a mutagenic effect.

#### Carcinogenicity

Assessment of carcinogenicity:

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

*Information on: 2-Ethylhexan-1-ol*

*Assessment of carcinogenicity:*

*In long-term studies in rats and mice in which the substance was given by gavage, a carcinogenic effect was not observed.*

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#### Reproductive toxicity

Assessment of reproduction toxicity:

Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

#### Developmental toxicity

Assessment of teratogenicity:

Based on the ingredients, there is no suspicion of a teratogenic effect.

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#### Specific target organ toxicity (single exposure)

Assessment of STOT single:

Causes temporary irritation of the respiratory tract.

#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

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

*Information on: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts*

*Assessment of repeated dose toxicity:*

*After repeated exposure the prominent effect is local irritation. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.*

*Information on: 2-Ethylhexan-1-ol*

*Assessment of repeated dose toxicity:*

*No substance-specific organotoxicity was observed after repeated administration to animals.*

#### Aspiration hazard

No aspiration hazard expected.

#### Other relevant toxicity information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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## **SECTION 12: Ecological Information**

### **12.1. Toxicity**

Toxicity to fish:

LC50 (96 h) > 1 - 10 mg/l, Fish

Aquatic invertebrates:

EC50 (48 h) > 1 - 10 mg/l, Daphnia magna

Aquatic plants:

EC50 (72 h) > 10 - 100 mg/l (growth rate), algae

Chronic toxicity to fish:

No observed effect concentration (72 d) > 0.1 - 1 mg/l, Oncorhynchus mykiss

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Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d) > 1 mg/l, Daphnia magna

Assessment of terrestrial toxicity:

No data available concerning terrestrial toxicity.

## 12.2. Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Readily biodegradable (according to OECD criteria).

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

*Information on: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts*

*Assessment biodegradation and elimination (H<sub>2</sub>O):*

*Readily biodegradable.*

*Information on: 2-Ethylhexan-1-ol*

*Assessment biodegradation and elimination (H<sub>2</sub>O):*

*Readily biodegradable (according to OECD criteria).*

*Information on: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.*

*Assessment biodegradation and elimination (H<sub>2</sub>O):*

*Readily biodegradable (according to OECD criteria).*

## 12.3. Bioaccumulative potential

Assessment bioaccumulation potential:

Significant accumulation in organisms is not to be expected.

*Information on: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts*

*Assessment bioaccumulation potential:*

*Significant accumulation in organisms is not to be expected.*

*Information on: 2-Ethylhexan-1-ol*

*Assessment bioaccumulation potential:*

*Significant accumulation in organisms is not to be expected.*

*Information on: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.*

*Assessment bioaccumulation potential:*

*Significant accumulation in organisms is not to be expected.*

## 12.4. Mobility in soil

*Information on: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts*

*Assessment transport between environmental compartments:*

*Volatility: The substance will slowly evaporate into the atmosphere from the water surface.*

*Adsorption in soil: Adsorption to solid soil phase is possible.*

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*Information on: 2-Ethylhexan-1-ol*

*Assessment transport between environmental compartments:*

*Volatility: The substance will not evaporate into the atmosphere from the water surface.*

*Adsorption in soil: Adsorption to solid soil phase is not expected.*

*Information on: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.*

*Assessment transport between environmental compartments:*

*Volatility: The substance will not evaporate into the atmosphere from the water surface.*

*Adsorption in soil: Adsorption to solid soil phase is expected.*

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## **12.5. Results of PBT and vPvB assessment**

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not fulfill the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

## **12.6. Other adverse effects**

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

## **12.7. Additional information**

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:

The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components. Do not discharge product into the environment without control.

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## **SECTION 13: Disposal Considerations**

### **13.1. Waste treatment methods**

Must be disposed of or incinerated in accordance with local regulations.  
No disposal via sewage or waste water systems.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

This product and any uncleaned containers must be disposed of as hazardous waste in accordance with the 2005 Hazardous Waste Regulations and amendments (United Kingdom)

Contaminated packaging:

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Uncontaminated packaging can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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## SECTION 14: Transport Information

### Land transport

ADR

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

RID

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

### Inland waterway transport

ADN

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	None known

Transport in inland waterway vessel

Not evaluated

### Sea transport

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## IMDG

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

## Air transport

### IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

### **14.1. UN number or ID number**

See corresponding entries for "UN number or ID number" for the respective regulations in the tables above.

### **14.2. UN proper shipping name**

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

### **14.3. Transport hazard class(es)**

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

### **14.4. Packing group**

See corresponding entries for "Packing group" for the respective regulations in the tables above.

### **14.5. Environmental hazards**

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

### **14.6. Special precautions for user**

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

### **14.7. Maritime transport in bulk according to IMO instruments**

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Maritime transport in bulk is not intended.

## SECTION 15: Regulatory Information

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

#### Prohibitions, Restrictions and Authorizations

UK REACH SI, Annex XVII, Marketing and Use Restrictions  
Number on List: 3

Annex XVII of Regulation (EC) No 1907/2006: Number on List: 3

Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU):  
Listed in above regulation: no  
Classification applies for standard conditions of temperature and pressure.

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

### 15.2. Chemical Safety Assessment

Assessment of safe use has been performed for the mixture. Results and measures for human health are documented in sections 7 and 8, those for environment are attached as an annex of the safety data sheet.

## SECTION 16: Other Information

This product is of industrial quality and unless otherwise specified or agreed intended exclusively for industrial use. This includes the mentioned and recommended usage. Any other intended applications should be discussed with the manufacturer. In particular this concerns the application for products that are the object of special standards and regulations.

Full text of the classifications, including the hazard classes and the hazard statements, if mentioned in section 2 or 3:

Acute Tox.

Acute toxicity

Skin Irrit.

Skin irritation

Eye Dam.

Serious eye damage

STOT SE

Specific target organ toxicity — single exposure

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Aquatic Chronic	Hazardous to the aquatic environment - chronic
Eye Irrit.	Eye irritation
H318	Causes serious eye damage.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.
H319	Causes serious eye irritation.

#### Abbreviations

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADN = The European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways. ATE = Acute Toxicity Estimates. CAO = Cargo Aircraft Only. CAS = Chemical Abstract Service. CLP = Classification, Labelling and Packaging of substances and mixtures. DIN = German national organization for standardization. DNEL = Derived No Effect Level. EC50 = Effective concentration median for 50% of the population. EC = European Community. EN = European Standards. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IBC-Code = Intermediate Bulk Container code. IMDG = International Maritime Dangerous Goods Code. ISO = International Organization for Standardization. STEL = Short-Term Exposure Limit. LC50 = Lethal concentration median for 50% of the population. LD50 = Lethal dose median for 50% of the population. TLV = Threshold Limit Value. MARPOL = The International Convention for the Prevention of Pollution from Ships. NEN = Dutch Norm. NOEC = No Observed Effect Concentration. OEL = Occupational Exposure Limit. OECD = Organization for Economic Cooperation and Development. PBT = Persistent, Bioaccumulative and Toxic. PNEC = Predicted No Effect Level. PPM = Parts per million. RID = The European Agreement concerning the International Carriage of Dangerous Goods by Rail. TWA = Time Weight Average. UN-number = UN number at transport. vPvB = very Persistent and very Bioaccumulative.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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## Annex: Exposure Scenarios

### Index

1. End use (industrial, professional)  
SU10, C; ERC8e; PROC5

2. Consumer applications  
SU10, C; ERC8e; PC27

3. End use (industrial, professional)  
SU10, C; ERC8d; PROC3

4. Formulation & (re)packing of substances and mixtures  
SU10, C; ERC2; PROC2

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### 1. Short title of exposure scenario

End use (industrial, professional)  
SU10, C; ERC8e; PROC5

### Control of exposure and risk management measures

<b>Contributing exposure scenario</b>	
<b>Use descriptors covered</b>	ERC8e: Widespread use of reactive processing aid (no inclusion into or onto article, outdoor)
<b>Operational conditions</b>	
Annual amount used in the EU	510,000 kg
Minimum emission days per year	365
Emission factor air	0.1 %
Emission factor water	2 %
Emission factor soil	1 %
Receive Surf. Water (Flow Rate).	18,000 m <sup>3</sup> /d
Dilution factor river	10
Dilution factor coast	100
Concentration of the substance	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts Content: > 50 % - < 100 %
<b>Risk Management Measures</b>	

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Type of STP	Municipal STP
Assumed sewage treatment plant flow (m3/d)	2,000 m3/d
<b>Exposure estimate and reference to its source</b>	
Assessment method	EASY TRA v4.2, ECETOC TRA v3.0, Environment
	Risk from environmental exposure is driven by freshwater.
Maximum amount of safe use	241.8 kg/d
Risk from environmental exposure is driven by freshwater.	

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## 2. Short title of exposure scenario

Consumer applications  
SU10, C; ERC8e; PC27

## Control of exposure and risk management measures

<b>Contributing exposure scenario</b>	
<b>Use descriptors covered</b>	ERC8e: Widespread use of reactive processing aid (no inclusion into or onto article, outdoor)
<b>Operational conditions</b>	
Annual amount used in the EU	510,000 kg
Minimum emission days per year	365
Emission factor air	0.1 %
Emission factor water	2 %
Emission factor soil	1 %
Receive Surf. Water (Flow Rate).	18,000 m3/d
Dilution factor river	10
Dilution factor coast	100
Concentration of the substance	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts Content: > 50 % - < 100 %
<b>Risk Management Measures</b>	
Type of STP	Municipal STP
Assumed sewage treatment plant flow (m3/d)	2,000 m3/d
<b>Exposure estimate and reference to its source</b>	
Assessment method	EASY TRA v4.2, ECETOC TRA v3.0, Environment
	Risk from environmental exposure is driven by freshwater.
Maximum amount of safe use	241.8

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	kg/d
Risk from environmental exposure is driven by freshwater.	

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### 3. Short title of exposure scenario

End use (industrial, professional)

SU10, C; ERC8d; PROC3

### Control of exposure and risk management measures

<b>Contributing exposure scenario</b>	
<b>Use descriptors covered</b>	ECPA SPERC 8d.1.v3 Granule application
<b>Operational conditions</b>	
Annual amount used in the EU	510,000 kg
Application rate	0.154166 kg/ha
Minimum emission days per year	365
Emission factor air	0 %
Emission factor water	0 %
Emission factor soil	100 %
	No crop interception Crops: no specific restriction
Receive Surf. Water (Flow Rate).	18,000 m3/d
Dilution factor river	10
Dilution factor coast	100
Number of applications	1
application interval	1 days
Concentration of the substance	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts Content: > 50 % - < 100 %
<b>Risk Management Measures</b>	
Type of STP	no STP
<b>Exposure estimate and reference to its source</b>	
Assessment method	EASY TRA v4.2, ECPA LET
	Risk from environmental exposure is driven by freshwater.
Maximum amount of safe use	0.154166 kg/ha

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#### 4. Short title of exposure scenario

Formulation & (re)packing of substances and mixtures  
SU10, C; ERC2; PROC2

#### Control of exposure and risk management measures

<b>Contributing exposure scenario</b>	
<b>Use descriptors covered</b>	ERC2: Formulation into mixture
<b>Operational conditions</b>	
Annual amount per site	30,000 kg
Minimum emission days per year	100
Emission factor air	2.5 %
Emission factor water	2 %
Emission factor soil	0.01 %
Receive Surf. Water (Flow Rate).	18,000 m3/d
Dilution factor river	10
Dilution factor coast	100
<b>Risk Management Measures</b>	
Type of STP	Municipal STP
Assumed sewage treatment plant flow (m3/d)	2,000 m3/d
<b>Exposure estimate and reference to its source</b>	
Assessment method	EASY TRA v4.2, ECETOC TRA v3.0, Environment
	Risk from environmental exposure is driven by freshwater.
Maximum amount of safe use	366.5 kg/d
Risk from environmental exposure is driven by freshwater.	

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