

SAFOL 23

Version: 9.00

Date of first issue: 2002/05/06

Revision Date: 2023/07/31

Date of last issue: 2021/04/21

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Trade name	SAFOL 23
REACH No.	01-2119485848-16-0002
Substance name (REACH / CLP):	Alcohols, C12-13-branched and linear

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

Use of the Substance/Mixture	Industrial use, raw material for synthesis processes in the chemical industry
Uses advised against	

1.3 Details of the supplier of the safety data sheet

Company	SASOL Germany GmbH Anckelmannsplatz 1 20537 Hamburg Germany
	Telephone: +49 40 63684-1000 Telefax: +49 40 63684-3700
Information (Product safety)	E-mail: msds-info.germany@de.sasol.com

1.4 Emergency telephone number

Emergency telephone number	+44 1235 239670	Europe
	+44 1235 239671	Middle East, Africa
	+1 215 207 0061	North America, South America
	+65 3158 1074	Asia Pacific Region
	+44 1865 407333	Global (english)

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Short-term (acute) aquatic hazard	Category 1	Very toxic to aquatic life.
Long-term (chronic) aquatic hazard	Category 2	Toxic to aquatic life with long lasting effects.

2.2 Label elements**Labelling (REGULATION (EC) No 1272/2008)**

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Hazard pictograms



Signal word

Warning

Hazard statements

H410

Very toxic to aquatic life with long lasting effects.

Precautionary statements

P273

Avoid release to the environment.

P391

Collect spillage.

P501

Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

- Alcohols, C12-13-branched and linear

2.3 Other hazards

None known.

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

This product is a substance 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

Alcohols, C12-13- branched and linear

content: ≥ 90 - ≤ 100 %

component type: Active ingredient

EC-No.: 629-693-3

Index-No.:

CAS-No.: 740817-83-8

REACH No.: 01-2119485848-16-xxxx

Substance name (REACH / CLP): Alcohols, C12-13-branched and linear

Classification (Regulation (EC) No 1272/2008)	Aquatic Acute	1	H400
	Aquatic Chronic	2	H411

M-Factor (Acute aquatic toxicity): 1

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For information on ingredients listed on the candidate list (Candidate List of Substances of Very High Concern for Authorisation) or in the list of substances subject to authorization (Annex XIV of Regulation (EC) No 1907/2006), see section 15.1. of this data sheet.

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

Other data Synonyms: Alcohols, C10-16; CAS-No.: 67762-41-8

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 physician.
If swallowed	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

Symptoms	No information available.
Risks	No information available.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

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

Suitable extinguishing media	Water spray, Dry powder, Foam, Carbon dioxide (CO ₂)
Unsuitable extinguishing media	High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	Dangerous gases or fumes may occur in case of fire.
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5.3 Advice for firefighters

Special protective equipment for firefighters	Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.
Further information	Cool closed containers exposed to fire with water spray. Closed container may

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rupture if strongly heated. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Prevent fire extinguishing water from contaminating surface water or the ground water system.

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. Spilling onto the container's outside will make container slippery. Danger of slipping after spill or leakage.

6.2 Environmental precautions

Environmental precautions	Do not let product enter drains. Do not flush into surface water. Avoid subsoil penetration. Do not allow material to contaminate ground water system.
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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).
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6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling	Wear personal protective equipment. If a warming up of the material is necessary it should only be done by treatment with warm water of maximal 60°C.
Advice on protection against fire and explosion	No special protective measures against fire required.
Fire-fighting class	B: Fires involving liquids or liquid containing substances. Also includes substances which become liquid at elevated temperatures.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	Maximum storage temperature: 45 °C
Further information on storage conditions	Protect from frost, heat and sunlight.
Advice on common storage	Keep away from oxidizing agents and strongly acid or alkaline materials.
Other data	Stable at normal ambient temperature and pressure.
container material	suitable materials: Stainless steel, Steel (Store contents under nitrogen.), Aluminium (The use of hot steam to warm up the material is absolutely prohibited.)

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7.3 Specific end use(s)

Specific use(s) This information is not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

National occupational exposure limits

No data available

Contains no substances with occupational exposure limit values.

No data available

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

No data available

DERIVED NO EFFECT LEVEL (DNEL)

Substance name: Alcohols, C12-13-branched and linear			
End Use	Exposure routes	Value	Note
Workers	dermal, Acute/short-term exposure - systemic effects	125 mg/kg	based on body weight and day
	Inhalation, Acute/short-term exposure - systemic effects	220 mg/m3	
	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	125 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	220 mg/m3	
	dermal, long-term exposure - local effects		Not relevant / Not applicable
	Inhalation, long-term exposure - local effects		Not relevant / Not applicable
Consumers	dermal, Acute/short-term exposure - systemic effects	75 mg/kg	based on body weight and day
	Inhalation, Acute/short-term exposure - systemic effects	65 mg/m3	
	Oral, Acute/short-term exposure - systemic effects	75 mg/kg	based on body weight and day
	dermal, Acute/short-term exposure - local effects		Not relevant / Not applicable
	Inhalation, Acute/short-term exposure - local effects		Not relevant / Not applicable

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	dermal, long-term exposure - systemic effects	75 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	65 mg/m ³	
	Oral, long-term exposure - systemic effects	75 mg/kg	based on body weight and day
	dermal, long-term exposure - local effects		Not relevant / Not applicable
	Inhalation, long-term exposure - local effects		Not relevant / Not applicable

PREDICTED NO EFFECT CONCENTRATION (PNEC)

Substance name: Alcohols, C12-13-branched and linear		
Environmental Compartment	Value	Note
Fresh water		Not relevant / Not applicable
Marine water		Not relevant / Not applicable
intermittent release		Not relevant / Not applicable
Sewage treatment plant		Not relevant / Not applicable
Fresh water sediment		Not relevant / Not applicable
Marine sediment		Not relevant / Not applicable
Soil		Not relevant / Not applicable
food		Not relevant / Not applicable

8.2 Exposure controls

ENGINEERING MEASURES

Provide sufficient air exchange and/or exhaust in work rooms.

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

Material: Nitrile rubber/nitrile latex
Break through time: \geq 480 min
Glove thickness: 0.35 mm

Material: butyl-rubber
Break through time: \geq 480 min
Glove thickness: 0.5 mm

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

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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).

Unsuitable material:
Natural rubber/natural latex

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	Do not let product enter drains. Do not flush into surface water. Avoid subsoil penetration. Do not allow material to contaminate ground water system.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Physical state: liquid Shape: Liquid
Colour	clear
Odour	No information available.
Odour Threshold	No valid method available.
Melting point/range	0 °C; 1,013 hPa; OECD Test Guideline 102
Pour point	6 °C
Boiling point/boiling range	ca. 268 °C; AN-SAA 1024
Flammability	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Flash point	> 110 °C; ISO 3679
Auto-ignition temperature	No data available
Decomposition temperature	Stable under normal conditions.
pH	No data available
Viscosity	

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Viscosity, dynamic	No data available
Viscosity, kinematic	No data available
Solubility(ies)	
Water solubility	ca. 2.9 mg/l; 20 °C; OECD Test Guideline 105
Partition coefficient: n-octanol/water	log Pow: ca. 4.8; 22 °C; OECD Test Guideline 107
Vapour pressure	< 0.01 hPa; 20 °C; AN-SAA 1024
Density	0.844 g/cm ³ ; 20 °C; 1,013 hPa
Relative vapour density	> 1

9.2 Other information

Explosives	not expected based on structure and functional groups
Oxidizing properties	not expected based on structure and functional groups
Self-ignition	242 °C GLP: yes
Evaporation rate	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Note Stable at normal ambient temperature and pressure.

10.2 Chemical stability

Note No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions Hazardous decomposition products formed under fire conditions.

10.4 Conditions to avoid

Conditions to avoid Avoid temperatures above 60°C, direct sunlight and contact with sources of heat.

10.5 Incompatible materials to avoid**10.6 Hazardous decomposition products**

Hazardous decomposition products No decomposition if stored and applied as directed.

Thermal decomposition Stable under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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Acute toxicity

Not classified based on available information.

Acute oral toxicity

Alcohols, C12-13- branched and linear:
LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 401
Symptoms: Piloerection, Fatigue
Category approach
Based on available data, the classification criteria are not met.
The substance or mixture has no acute oral toxicity

Acute inhalation toxicity

Alcohols, C12-13- branched and linear:
The study is not necessary.
Negligible or unlikely exposure pathways
The LC50 is expected to be greater than the saturated vapour concentration based on weight of evidence across category.

Acute dermal toxicity

Alcohols, C12-13- branched and linear:
LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 402
Category approach
Based on available data, the classification criteria are not met.
The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Not classified based on available information.

Skin irritation

Alcohols, C12-13- branched and linear:
Rabbit: slightly irritating; OECD Test Guideline 404
Category approach
Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation

Not classified based on available information.

Eye irritation

Alcohols, C12-13- branched and linear:
Rabbit: No eye irritation; OECD Test Guideline 405
Category approach

Skin sensitisation / Respiratory sensitisation

Skin contact: Not classified based on available information.

Inhalation: Not classified based on available information.

Sensitisation

Alcohols, C12-13- branched and linear:
Maximisation Test Guinea pig: not sensitizing; OECD Test Guideline 406
Category approach
Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Not classified based on available information.

Genotoxicity in vitro

Alcohols, C12-13- branched and linear:
In vitro tests did not show mutagenic effects
Category approach

Genotoxicity in vivo

Alcohols, C12-13- branched and linear:
In vivo tests did not show mutagenic effects
(literature value)
Category approach

Carcinogenicity

Not classified based on available information.

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Carcinogenicity

Alcohols, C12-13- branched and linear:

The substance has been shown to be not genotoxic, therefore it is not expected to have a carcinogenic potential.

Reproductive toxicity

Not classified based on available information.

Effects on fertility

Alcohols, C12-13- branched and linear:

No indication of substance-related effects in repeat dose studies, reproductive screening studies and developmental toxicity studies.

Category approach

Effects on foetal development

Alcohols, C12-13- branched and linear:

Did not show teratogenic effects in animal experiments.

Category approach
(literature value)

STOT - single exposure

Not classified based on available information.

Assessment

Alcohols, C12-13- branched and linear:

The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Not classified based on available information.

Assessment

Alcohols, C12-13- branched and linear:

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Alcohols, C12-13- branched and linear:

Rat; Oral; 28-day

NOAEL: 300 mg/kg (based on body weight and day); OECD Test Guideline 407

Target Organs: Lungs

Symptoms: reduced body weight gain, Fatigue, Breathing difficulties

Category approach

Alcohols, C12-13- branched and linear:

Rat; Oral; 90-day

NOAEL: 1,127 mg/kg (based on body weight and day)

Category approach

Aspiration hazard

Not classified based on available information.

Aspiration toxicity

Alcohols, C12-13- branched and linear:

Not applicable

11.2 Information on other hazards

Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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Toxicological information

Alcohols, C12-13- branched and linear:
 Toxicokinetics
 The substance is predicted to be bioavailable via the oral route.
 The substance is metabolised and excreted.
 Category approach

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish	<i>Alcohols, C12-13- branched and linear:</i> LC50 (96 h) <i>Oncorhynchus mykiss</i> (rainbow trout) ; static test; OECD Test Guideline 203 In the range of water solubility not toxic under test conditions. (literature value) Category approach
Toxicity to fish - Chronic toxicity	<i>Alcohols, C12-13- branched and linear:</i> The study is not necessary. Category approach
Toxicity to daphnia and other aquatic invertebrates	<i>Alcohols, C12-13- branched and linear:</i> EC50 (48 h) <i>Daphnia magna</i> (Water flea): > 0.1 - 1 mg/l ; semi-static test; OECD Test Guideline 202, part 1 (literature value) <i>Alcohols, C12-13- branched and linear:</i> EC50 (96 h) <i>Crangon crangon</i> (shrimp) ; marine test In the range of water solubility not toxic under test conditions. (literature value) Category approach
Toxicity to daphnia and other aquatic invertebrates - Chronic toxicity	<i>Alcohols, C12-13- branched and linear:</i> The study is not necessary. Category approach
Toxicity to aquatic plants	<i>Alcohols, C12-13- branched and linear:</i> EC50 (72 h) : > 0.1 - 1 mg/l ; static test; OECD Test Guideline 201; (literature value) <i>Alcohols, C12-13- branched and linear:</i> NOEL (72 h) <i>Raphidocelis subcapitata</i> (freshwater green alga): 0.03 mg/l ; static test; OECD Test Guideline 201; (literature value)
M-Factors	<i>Alcohols, C12-13- branched and linear:</i> M-Factor (Acute aquatic toxicity): 1
Toxicity to bacteria	<i>Alcohols, C12-13- branched and linear:</i> The study is not necessary.
Toxicity to soil dwelling organisms	<i>Alcohols, C12-13- branched and linear:</i> No data available Obtaining data is technically impossible.
Plant toxicity	<i>Alcohols, C12-13- branched and linear:</i> No data available Obtaining data is technically impossible.
Toxicity to terrestrial organisms	<i>Alcohols, C12-13- branched and linear:</i> The study is not necessary. Justification: Studies on birds do not need to be conducted due to large mammalian dataset.

12.2 Persistence and degradability

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Biodegradability

Alcohols, C12-13- branched and linear:
Readily biodegradable.; > 60 %; 28 d; aerobic; OECD Test Guideline 301F

12.3 Bioaccumulative potential

Bioaccumulation

Alcohols, C12-13- branched and linear:
Obtaining data is technically impossible.
Bioaccumulation is unlikely.

12.4 Mobility in soil

Distribution among environmental compartments

Alcohols, C12-13- branched and linear:
Adsorption/Soil; Koc: 6420 - 7680; calculated immobile
strong adsorption to soil
The substance and its relevant degradation products decompose rapidly.

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

Alcohols, C12-13- branched and linear:
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).

12.6 Endocrine disrupting properties

Endocrine disrupting potential

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Additional ecological information

Alcohols, C12-13- branched and linear:
Very toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Can be incinerated, when in compliance with local regulations.

Contaminated packaging

Empty remaining contents.

Waste Code

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.
The waste code must be determined in agreement with the regional waste disposal authority or company.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

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ADR	3082
RID	3082
ADN	3082
IMDG	3082
ICAO/IATA	3082

14.2 UN proper shipping name

ADR	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Mixture, contains Dodecanol)
RID	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Mixture, contains Dodecanol)
ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Mixture, contains Dodecanol)
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Mixture, contains Dodecanol)
ICAO/IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Mixture, contains Dodecanol)

14.3 Transport hazard class(es)

ADR	9
RID	9
ADN	9
IMDG	9
ICAO/IATA	9

14.4 Packing group

ADR	III
RID	III
ADN	III
IMDG	III
ICAO/IATA	III

14.5 Environmental hazards

ADR	Environmentally hazardous	yes
RID	Environmentally hazardous	yes
ADN	Environmentally hazardous	yes
IMDG	Marine pollutant	yes
ICAO/IATA	Environmentally hazardous	yes

14.6 Special precautions for user

ADR	Hazard Identification Number	90
	Labels	9
	Tunnel restriction code	(-)
IMDG	Labels	9
	EmS Number 1	F-A
	EmS Number 2	S-F
ICAO/IATA	Labels	9

14.7 Maritime transport in bulk according to IMO instruments

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Ship type	Y
Pollution category	2
Remarks	MARPOL name: Alcohols (C12–C13), primary, linear and essentially linear

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU PIC: Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals**

Not applicable

EU SVHC: REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

Not applicable

EU. REACH-Annex XIV: REACH - List of substances subject to authorisation (Annex XIV)

Not applicable

EC 1005/2009: Regulation (EC) No 1005/2009 on substances that deplete the ozone layer

Not applicable

EU POP: Regulation (EU) 2019/1021 on persistent organic pollutants (recast)

Not applicable

UK. REACH Annex XIV: UK REACH List of substances subject to authorisation (Annex XIV)

Not applicable

UK SVHC: UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation

Not applicable

GB POPs: The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)

Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)

Number on list: 3

See Annex XVII to Regulation (EC) no 1907/2006 and amendments for Conditions of restriction

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-**

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accident hazards involving dangerous substances.

list entry in the directive:: ENVIRONMENTAL HAZARDS; E1

Qualifying quantity 1: 100 t; Qualifying quantity 2: 200 t;

Notification status

Australian Inventory of Industrial Chemicals	ZAU_AIC	listed (product or constituents are listed)
Canadian Domestic Substances List (DSL)	DSL	listed (product or constituents are listed)
Switzerland. Consolidated Inventory (based on EU-EINECS and EU-NLP)	CH INV	listed (product or constituents are listed)
Japan. ENCS - Existing and New Chemical Substances Inventory	ENCS (JP)	listed (product or constituents are listed)
Japan. ISHL - Inventory of Chemical Substances	ISHL (JP)	listed (product or constituents are listed)
Korea. Korean Existing Chemicals Inventory (KECI)	KECI (KR)	listed (product or constituents are listed)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	PICCS (PH)	listed (product or constituents are listed)
China. Inventory of Existing Chemical Substances in China (IECSC)	IECSC	listed (product or constituents are listed)
Taiwan Chemical Substance Inventory (TCSI)	ZTW_INV	listed (product or constituents are listed)
United States TSCA Inventory	TSCA	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

Alcohols, C12-13-branched and linear

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.

H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Safety datasheet sections which have been updated:

1. Identification of the substance/mixture and of the company/undertaking
2. Hazards identification

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- 3. Composition/information on ingredients
- 4. First aid measures
- 5. Firefighting measures
- 7. Handling and storage
- 9. Physical and chemical properties
- 11. Toxicological information
- 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



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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.

Alcohols, C12-13-branched and linear

http://www.sasolgermany.de/fileadmin/doc/productsafety/Annex/000000015085_EN_01.pdf
