

**MARLON A 375**

Version: 5.04

Revision Date 02.07.2019

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier****Trade name** Marlon A 375**1.2 Relevant identified uses of the substance or mixture and uses advised against****Use** Industrial use  
raw material for washing and cleaning agents  
raw material for textile auxiliary 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 Hamburg  
GermanyTelephone: +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)**

Acute toxicity Category 4 (Oral)	Harmful if swallowed.
Skin irritation Category 2	Causes skin irritation.
Serious eye damage Category 1	Causes serious eye damage.
Long-term (chronic) aquatic hazard Category 3	Harmful to aquatic life with long lasting effects.

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

**MARLON A 375**

Version: 5.04

Revision Date 02.07.2019

<b>Signal word</b>	Danger
<b>Hazard statements</b>	
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.
<b>Precautionary statements</b>	
P264	Wash skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/ 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.
P310	Immediately call a POISON CENTER/doctor.
P501	Dispose of contents/ container to an approved waste disposal plant.

**Hazardous components which must be listed on the label:**

- Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

**2.3 Other hazards**

No information available.

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

<b>content:</b> 75 %		<b>component type:</b> Active ingredient
<b>EC-No.:</b>	<b>Index-No.:</b>	<b>CAS-No.:</b> 127184-52-5
<b>REACH No.:</b>		
<b>Classification (Regulation (EC) No 1272/2008):</b>	Acute Tox. 4 (Oral)	H302
	Skin Irrit. 2	H315
	Eye Dam. 1	H318
	Aquatic Chronic	3 H412

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** Take off all contaminated clothing immediately. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## MARLON A 375

Version: 5.04

Revision Date 02.07.2019

<b>If inhaled</b>	Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician.
<b>In case of skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Take off all contaminated clothing immediately. Consult a physician.
<b>In case of eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>If swallowed</b>	Do NOT induce vomiting. Call a physician immediately.

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

<b>Most important symptoms and effects, both acute and delayed</b>	Symptoms: No information available. Risks: No information available.
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#### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Indication of any immediate medical attention and special treatment needed</b>	Treatment: No information available.
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## SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	Water spray, Dry powder, Foam, Carbon dioxide (CO <sub>2</sub> )
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#### 5.2 Special hazards arising from the substance or mixture

<b>Specific hazards during firefighting</b>	Dangerous gases or fumes may occur in case of fire.
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#### 5.3 Advice for firefighters

<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus for firefighting if necessary.
<b>Further information</b>	Standard procedure for chemical fires.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

<b>Personal precautions</b>	Use personal protective equipment.
<b>Special precautions</b>	Forms slippery/greasy layers with water.

#### 6.2 Environmental precautions

<b>Environmental precautions</b>	Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.
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#### 6.3 Methods and materials for containment and cleaning up

<b>Methods for cleaning up</b>	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

## MARLON A 375

Version: 5.04

Revision Date 02.07.2019

For personal protection see section 8.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

<b>Advice on safe handling</b>	Wear personal protective equipment. Avoid contact with skin and eyes.
<b>Advice on protection against fire and explosion</b>	No special protective measures against fire required.

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

<b>Requirements for storage areas and containers</b>	Keep container tightly closed.
<b>Storage class (TRGS 510)</b>	11: Combustible Solids

#### 7.3 Specific end use(s)

<b>Specific use(s)</b>	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: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts			
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	85 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	6 mg/m3	
	dermal, long-term exposure - local effects		Not relevant / Not applicable

## MARLON A 375

Version: 5.04

Revision Date 02.07.2019

			applicable
	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	42,5 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	1,5 mg/m <sup>3</sup>	
	Oral, long-term exposure - systemic effects	0,425 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: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts		
Environmental Compartment	Value	Note
Fresh water	0,268 mg/l	
Marine water	0,0268 mg/l	
intermittent release	0,0167 mg/l	
treatment plant	3,43 mg/l	
Fresh water sediment	8,1 mg/kg	based on dry weight
Marine sediment	6,8 mg/kg	based on dry weight
Soil	35 mg/kg	based on dry weight
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 combined filter (e.g. 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

## MARLON A 375

Version: 5.04

Revision Date 02.07.2019

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).

### gloves suitable for permanent contact:

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

### gloves suitable for splash protection:

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

<b>Eye protection</b>	Tightly fitting safety goggles
<b>Skin and body protection</b>	Wear suitable protective equipment.
<b>Hygiene measures</b>	Take off all contaminated clothing immediately. Use barrier cream regularly.
<b>Protective measures</b>	Wear suitable gloves and eye/face protection. Avoid contact with the skin and the eyes. General industrial hygiene practice.

### ENVIRONMENTAL EXPOSURE CONTROLS

<b>General advice</b>	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

<b>Physical state</b>	solid; 20 °C; 1.013 hPa
<b>Form</b>	pasty
<b>Colour</b>	light yellow
<b>Odour</b>	mild
<b>Odour Threshold</b>	No data available
<b>pH</b>	8 - 10; 20 g/l; 20 °C
<b>Melting point/range</b>	No data available
<b>Flash point</b>	Not applicable
<b>Evaporation rate</b>	Not relevant / Not applicable Justification: Solid
<b>Flammability (solid, gas)</b>	not auto-flammable
<b>Lower explosion limit</b>	Not applicable Justification: Solid
<b>Upper explosion limit</b>	Not applicable Justification: Solid

**MARLON A 375**

Version: 5.04

Revision Date 02.07.2019

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Vapour pressure	< 0,1 hPa; 20 °C
Relative vapour density	No data available
Density	ca. 1,06 g/cm <sup>3</sup> ; 20 °C
Relative density	No data available
Bulk density	Not applicable
Water solubility	completely miscible
Partition coefficient: n-octanol/water	not applicable (mixture)
Ignition temperature	Not applicable
Auto-ignition temperature	not auto-flammable
Viscosity, dynamic	Not applicable, Justification: Solid
Explosive properties	not expected based on structure and functional groups
Oxidizing properties	not expected based on structure and functional groups

**9.2 Other data**

None known.

**SECTION 10: STABILITY AND REACTIVITY**

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**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** None known.

**10.4 Conditions to avoid**

**Conditions to avoid** Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation.

**10.5 Incompatible materials to avoid**

**Materials to avoid** Strong acids and oxidizing agents;

**10.6 Hazardous decomposition products**

**Hazardous decomposition products** No decomposition if stored normally.

**Thermal decomposition** Hazardous decomposition products formed under fire conditions.

**SECTION 11: TOXICOLOGICAL INFORMATION**

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**11.1 Information on toxicological effects**

**Acute toxicity**

**MARLON A 375**

Version: 5.04

Revision Date 02.07.2019

<b>Acute oral toxicity</b>	Acute toxicity estimate : 666,67 mg/kg; Calculation method
<b>Acute oral toxicity</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: LD50 Rat: 1.080 mg/kg; OECD Test Guideline 401 Target Organs: Gastrointestinal tract Symptoms: Drowsiness, Diarrhoea, Breathing difficulties Harmful if swallowed.
<b>Acute inhalation toxicity</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: The study is not necessary. Justification: Negligible or unlikely exposure pathways
<b>Acute dermal toxicity</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: LD50 Rat: > 2.000 mg/kg; OECD Test Guideline 402 Symptoms: Local effects, Crusting (literature value) Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	
<b>Skin irritation</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Rabbit: irritating; OECD Test Guideline 404 (literature value) Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	
<b>Eye irritation</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Rabbit: Irreversible effects on the eye; OECD Test Guideline 405 (literature value) Causes serious eye damage.
<b>Respiratory or skin sensitisation</b>	
<b>Sensitisation</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Maximisation Test Guinea pig: not sensitizing; OECD Test Guideline 406 Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	
<b>Genotoxicity in vitro</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: In vitro tests did not show mutagenic effects own test results/literature values
<b>Genotoxicity in vivo</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: In vivo tests did not show mutagenic effects (literature value)
<b>Remarks</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	
<b>Carcinogenicity</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: This information is not available.
<b>Reproductive toxicity</b>	
<b>Reproductive toxicity</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Animal testing did not show any effects on fertility. (literature value) Category approach
<b>RemarksReproductive toxicity</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Based on available data, the classification criteria are not met.
<b>Teratogenicity</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Animal testing did not show any effects on foetal development. (literature value)



## MARLON A 375

Version: 5.04

Revision Date 02.07.2019

<b>Remarks-Teratogenicity</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Based on available data, the classification criteria are not met.
<b>STOT - single exposure</b>	
<b>Remarks</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: The substance or mixture is not classified as specific target organ toxicant, single exposure.
<b>STOT - repeated exposure</b>	
<b>Remarks</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
<b>Repeated dose toxicity</b>	<p>Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Rat; Oral; 28-day NOAEL: 125 mg/kg (based on body weight and day) LOAEL: 250 mg/kg (based on body weight and day) Target Organs: Blood, Liver, Heart, thymus Symptoms: reduced body weight gain, Diarrhoea (literature value)</p> <p>Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Rat; feeding study; 6 months NOAEL: 40 mg/kg (based on body weight and day) LOAEL: 115 mg/kg (based on body weight and day) Target Organs: Blood, Kidney, caecum Symptoms: reduced body weight gain, Diarrhoea (literature value) Category approach</p> <p>Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Rat; Drinking water; 9 months NOAEL: 85 mg/kg (based on body weight and day) LOAEL: 145 mg/kg (based on body weight and day) Target Organs: Blood Symptoms: reduced body weight gain (literature value) Category approach</p>
<b>Aspiration hazard</b>	
<b>Aspiration toxicity</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Not applicable
<b>Toxicological information</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Toxicokinetics The substance is predicted to be bioavailable via the oral route. The substance is metabolised and excreted. The substance is poorly absorbed via skin.

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

<b>Toxicity to fish</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: LC50 (96 h) Lepomis macrochirus (Bluegill sunfish): > 1 - 10 mg/l ; static test; US EPA 1975 (literature value)
<b>Toxicity to fish - Chronic</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:

## MARLON A 375

Version: 5.04

Revision Date 02.07.2019

<b>toxicity</b>	NOEC (196 d) Pimephales promelas (fathead minnow): > 0,1 - 1 mg/l; reproduction rate; model ecosystem (literature value)
<b>Toxicity to daphnia and other aquatic invertebrates</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: EC50 (48 h) Daphnia magna (Water flea): > 1 - 10 mg/l ; static test; OECD Test Guideline 202 (literature value)
<b>Toxicity to daphnia and other aquatic invertebrates - Chronic toxicity</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: NOEC (21 d) Daphnia magna (Water flea): > 1 - 10 mg/l; reproduction rate; flow-through test; OECD Test Guideline 211; (literature value) Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: NOEC (32 d) Elimia: > 1 - 10 mg/l; mortality; model ecosystem; (literature value)
<b>Toxicity to aquatic plants</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: EC50 (72 h) Pseudokirchneriella subcapitata (green algae): > 10 - 100 mg/l; cell number; (literature value) Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: NOEC (28 d) Elodea canadensis: >= 4 mg/l; Growth rate; model ecosystem; (literature value) Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: EC50 (7 d) Lemna minor (duckweed): > 1 - 10 mg/l; flow-through test; OECD Test Guideline 221; (literature value)
<b>Toxicity to bacteria</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: The substance is not to be considered to be inhibitory to bacteria.
<b>Toxicity to soil dwelling organisms</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: EC10 (28 d) Aporroectodea caliginosa: 71,7 mg/kg; Growth (literature value) Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: EC10 Folsomia sp.: 107,6 mg/kg; reproduction rate (literature value)
<b>Toxicity to terrestrial flora</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Growth; NOEC: 100 mg/kg; Sorghum bicolor (sorghum); OECD Test Guideline 208 (literature value) Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Growth; EC10: 86 mg/kg; Brassica rapa; OECD Test Guideline 208 (literature value) Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Growth; NOEC: 52 mg/kg; Nigella arvensis; OECD Test Guideline 208 (literature value)
<b>Toxicity for other terrestrial non-mammalian fauna</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: No data available
<b>12.2 Persistence and degradability</b>	
<b>Biodegradability</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Readily biodegradable.; > 60 %; 28 d; aerobic; OECD Test Guideline 301B
<b>12.3 Bioaccumulative potential</b>	
<b>Bioaccumulation</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Pimephales promelas (fathead minnow); 192 h; Bioconcentration factor (BCF): 2 - 1.000; OECD Test Guideline 305 E (literature value) Does not significantly accumulate in organisms.
<b>12.4 Mobility in soil</b>	
<b>Mobility</b>	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Adsorption/Soil/Sewage sludge Slightly mobile in soils

**MARLON A 375**

Version: 5.04

Revision Date 02.07.2019

**12.5 Results of PBT and vPvB assessment**

**Results of PBT assessment** Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:  
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 Other adverse effects**

**General advice** Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:  
Harmful 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.

**waste code of the European Union: EWC** 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**

**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  
**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

**MARLON A 375**

Version: 5.04

Revision Date 02.07.2019

<b>ADN</b>	Not dangerous goods
<b>IMDG</b>	Not dangerous goods
<b>ICAO/IATA</b>	Not dangerous goods

**14.5 Environmental hazards**

<b>ADR</b>	Environmentally hazardous	no
<b>RID</b>	Environmentally hazardous	no
<b>ADN</b>	Environmentally hazardous	no
<b>IMDG</b>	Marine pollutant	no
<b>ICAO/IATA</b>	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**

Ship type	2
Pollution category	Y
Remarks	MARPOL NAME: Alkylbenzene sulphonic acid, sodium salt solution

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>Occupational restrictions</b>	Employment restrictions for children and young workers in accordance with Directive 94/33/EC and the respective national provisions are to be observed.
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**NATIONAL/OTHER REGULATIONS**

<b>Legislation on the control of major-accident hazards involving dangerous substances</b>	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
<b>Other regulations</b>	The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**MARLON A 375**

Version: 5.04

Revision Date 02.07.2019

**NOTIFICATION STATUS**

US. Toxic Substances Control Act	TSCA	listed (product or constituents are listed)
Switzerland. Consolidated Inventory	CH INV	listed (product or constituents are listed)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	DSL	listed (product or constituents are listed)
Australia. Industrial Chemical (Notification and Assessment) Act	AICS	listed (product or constituents are listed)
Japan. Kashin-Hou Law List	ENCS (JP)	listed (product or constituents are listed)
Japan. Industrial Safety & Health Law (ISHL) List	ISHL (JP)	listed (product or constituents are listed)
Korea. Existing Chemicals Inventory (KECI)	KECI (KR)	listed (product or constituents are 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 (IECSC)	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****Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts**

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.**

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

**Safety datasheet sections which have been updated:**

12. Ecological 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.

## MARLON A 375

Version: 5.04

Revision Date 02.07.2019

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.

### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

[http://www.sasolgermany.de/fileadmin/doc/productsafety/Annex/000000000339\\_EN\\_01.pdf](http://www.sasolgermany.de/fileadmin/doc/productsafety/Annex/000000000339_EN_01.pdf)