



# AMALIE SULFONATO DE CALCIO TBN 400

## Safety Data Sheet

According to Regulation (EC) No 1907/2006, Annex II, as amended

### **SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

#### **1.1 Product Identifier**

**Product name:** AMALIE SULFONATO DE CALCIO TBN 400

**Chemical Synonyms:** Mixture

**REACH Registration No:** 01-2119492616-28

#### **1.2 Relevant Identified Uses:**

Main use category – Additives for industrial use

#### **1.3 Details of the supplier of the Safety Data Sheet**

**Supplier:** AMALIE PETROQUIMICA, C/ Principe de Vergara 128, 28002 Madrid; Spain

Telephone: +34 915644769 Fax: +34 915644417 E-MAIL [apsa@amaliepetroquimica.com](mailto:apsa@amaliepetroquimica.com)

#### **1.4 Emergency telephone number**

**Emergency Phone number:** In case of emergency please contact: +34 915644769 (GMT, English spoken, Mon - Fri, 09:00 – 14:00 16:00-19:00)

### **SECTION 2: HAZARD IDENTIFICATION**

#### **2.1 Classification according to Regulation (EC) No 1272/2008**

Skin sensitization Category 1B - (H317)

#### **2.2. Label Elements**

Label elements according to Regulation (EC) No 1272/2008

Pictograms:



Signal Word: Warning

Hazard statements:

H317: may cause an allergic skin reaction.

Precautionary statements:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

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P333 + P313 - If skin irritation occurs: Get medical advice/attention.

P362 + P364 - Take off contaminated clothing and wash it before reuse.

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3. OTHER HAZARDS

None identified

## **SECTION 3: INFORMATION ON THE INGREDIENTS**

**3.2:** This material is defined as a mixture:

Name	CAS No:	EC No	Concentration	GHS/CLP classification
*Mineral Oil	-	-	<b>35-50%</b>	Not classified
Benzenesulfonic acid, mono-C16-24-alkyl derives., Calcium salts	70024-69-0	274-263-7	20-30%	Eye Dam. 1, Aquatic Chronic 2; H318 H411
Calcium carbonate	471-34-1	207-439-9	25-42%	Not classified

\*The mineral oil contained in this material may be described by one or more of the following CAS NOs.:64742-54-7, 64742-65-0, 64742-55-8, 64742-56-9.

## **SECTION 4: FIRST AID MEASURES**

### 4.1. Description of first aid measures

**Skin:** Wash skin thoroughly with soap and water after contact. Change contaminated clothing and dry-clean and launder before re-use.

**Eyes:** Wash eyes thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists.

**Ingestion:** If contamination of the mouth occurs, wash it out thoroughly with water. Obtain medical advice if large amounts are swallowed - do not induce vomiting.

**Inhalation:** If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. Obtain medical advice if symptoms persist.

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

**Skin:** No known significant effects or critical hazards.

**Eyes:** No known significant effects or critical hazards.

**Ingestion:** No known significant effects or critical hazards.

**Inhalation:** May be fatal if swallowed and enters airways

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

**Note to physician:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific Treatments:** No specific treatment.

## **SECTION 5: FIRE-FIGHTING MEASURES**

### 5.1 Extinguishing media

Use an extinguishing agent suitable for the surrounding fire. Foam (Specifically trained personnel only). Water fog (Specifically trained personnel only). Dry chemical powder. Carbon dioxide. Other inert gases (subject to regulations) Sand or earth.

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

**Hazards from the substance or mixture:** In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous combustion products:** Carbon oxides (CO, CO<sub>2</sub>), smoke and irritating vapours as products of incomplete combustion.

### 5.3 Special protective actions for fire-fighters

**Special precautions for fire-fighters:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**Additional information:** Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### 6.1. Personal Precautions, protective equipment

**For non-emergency personnel:** Eliminate all sources of ignition in vicinity of spilled material. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material.

**For emergency responders:** If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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

**Small spill:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill:** Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

### 6.4 Reference to other sections:

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

## **SECTION 7: HANDLING AND STORAGE**

### 7.1 Precautions for safe handling

**Protective measures:** Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Material can accumulate static charges which may cause an electrical spark (ignition source). When the material is handled in bulk, an electrical spark could ignite any flammable vapors from liquids or residues that may be present (e.g., during switch-loading operations). Use proper bonding



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and/or earthing procedures.

**Advice on general occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**7.2 Conditions for safe storage, including any incompatibilities:** Store in original container protected from direct sunlight in a dry, cool and well-ventilated area (away from sources of ignition), away from incompatible materials (see section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

**7.3 Specific end use(s):** Section 1 informs about identified end-uses. No industrial or sector specific guidance available.

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **8.1. Control parameters**

Chemical name	Australia	Austria	Belgium	Denmark	European Union
Calcium carbonate (CAS #: 471-34-1)	10 mg/m <sup>3</sup>	-	-	-	-

Chemical name	Latvia	France	Finland	Germany	Italy
Calcium carbonate (CAS #: 471-34-1)	TWA: 6 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	-	-	-

Chemical name	Poland	Portugal	Spain	Switzerland	Netherlands
Calcium carbonate (CAS #: 471-34-1)	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	-	TWA: 3 mg/m <sup>3</sup>	-

Chemical name	Norway	United Kingdom	ACGIH TLV	OSHA PEL	NIOSH IDLH
Calcium carbonate (CAS #: 471-34-1)	-	-	-	-	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust



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### Derived No Effect Level (DNEL)

No information available.

### Predicted No Effect Concentration (PNEC)

No information available.

## 8.2. Exposure controls

### Engineering controls

Ensure adequate ventilation, especially in confined areas. Showers. Eyewash stations. Remove all sources of ignition.

### Personal protective equipment

Eye/face protection

Hand protection

Skin and body protection

Respiratory protection

### Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

**Appearance:** Transparent viscous Liquid,

**Colour:** Brown

**Odour:** Characteristic

**Odour threshold:** No data available

**pH:** 6.1

**Melting Point:** Not technically feasible

**Freezing Point:** No data available

**Initial Boiling Point / and Boiling Range:** No data available

**Flash Point:** 200 °C

**Evaporation Rate:** Not Established

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

**Upper/Lower flammability of explosive limits:** No data available

**Vapour Pressure:** < 0.0008 hPa

**Vapour Density:** No data available

**Density at 15°C:** 1.2 g/cm<sup>3</sup> (20 °C)

**Solubility in water:** Non-Miscibility with water

**Partition coefficient n-octanol/water:** No data available

**Auto-ignition temperature:** No data available

**Decomposition temperature:** No data available

**Explosive properties:** None

**Oxidising properties:** None

**Viscosity at 100°C:** ~ 130 (100□) mm<sup>2</sup>/s

### 9.2 Other Information

**Total base number:** 16.6 m%

**P Content:** 7.9 m%

**Zn Content:** 9.5 m%



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### **SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:** No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability:** The product is stable under normal conditions. Can be stored 2 years below 45 °C

**10.3 Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid:** No specific data.

**10.5 Incompatible materials:** Reactive with oxidising agents.

**10.6 Hazardous decomposition products:** Decomposition products may include the following materials:

Carbon oxides (CO, CO<sub>2</sub>) Phosphorous oxides Metal oxide/oxides Hydrogen sulfide

### **SECTION 11: TOXICOLOGICAL INFORMATION**

#### **Section 11.1 Information on toxicological effects**

##### **Acute toxicity**

<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (CAS #: 70024-69-0)	> 5000 mg/kg bw (rat)	> 4000 mg/kg bw (rabbit)	> 1.9 mg/L/4 h (rat)
Calcium carbonate (CAS #: 471-34-1)	> 2000 mg/kg bw (rat, female)	> 2000 mg/kg bw (rat)	> 3 mg/L/4 h (rat)

##### **Skin corrosion/irritation**

May cause skin irritation in susceptible persons.

##### **Serious eye damage/eye irritation**

No eye irritation.

##### **Sensitization**

May cause an allergic skin reaction (Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts).

##### **Germ cell mutagenicity**

Negative (Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, Calcium carbonate).

##### **Carcinogenicity**

No information available.

##### **Reproductive toxicity**

No information available.

##### **STOT - single exposure**

No information available.

##### **STOT - repeated exposure**

No information available.

##### **Aspiration hazard**

No information available.



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### **SECTION 12: ECOLOGICAL INFORMATION**

#### **12.1. Toxicity**

<b>Chemical Name</b>	<b>Algae/Aquatic plants EC50</b>	<b>Fish LC50</b>	<b>Crustacea EC50</b>
Calcium carbonate (CAS #: 471-34-1)	-	> 100: 96 h Oncorhynchus mykiss LC50	> 100: 48 h Daphnia magna EC50

#### **12.2. Persistence and degradability**

Under test conditions no biodegradation observed (Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts).

Readily biodegradable (Calcium carbonate).

#### **12.3. Bioaccumulative potential**

No information available.

#### **12.4. Mobility in soil**

No information available.

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

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

#### **12.6. Other adverse effects**

No information available.

### **SECTION 13: DISPOSAL CONSIDERATIONS**

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

#### **13.1. Waste Treatment Methods**

**Methods of disposal:** The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

**Hazardous waste:** The classification of the product may meet the criteria for a hazardous waste. The waste code must be assigned by the user, preferably in consultation with the (environmental) authorities concerned. Hazardous waste according to Directive 2008/98/EC.



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## **SECTION 14: TRANSPORT INFORMATION**

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
14.4. Packing group	Not regulated
14.5. Environmental hazards	Non-marine pollutant
14.6. Special precautions for user	No information available
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable

## **SECTION 15: REGULATORY INFORMATION**

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

Component	EINECS/ELINCS	SVHC candidates	RESTRICTIONS - REACH TITLE VIII
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts 70024-69-0 ( 20 - 30 )	EINECS	-	-
Calcium carbonate 471-34-1 ( 25 - 42 )	EINECS	-	-

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

### International inventories

Component	TSCA	DSL/NDSL	ENCS	IECSC	KECL	PICCS	AICS
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts 70024-69-0 ( 20 - 30 )	X	DSL	X	X	X	X	X
Calcium carbonate 471-34-1 ( 25 - 42 )	X	DSL	X	X	X	X	X

"-" Not Listed

"X" Listed

15.2. Chemical Safety Assessment: Completed

## **SECTION 16: OTHER INFORMATION**

**REFERENCES:** Sources of information used in preparing this SDS included one or more of the following: results from in house or supplier toxicology studies, ECHA database, publications from other trade associations, such as the EU Hydrocarbon Solvents REACH Consortium, U.S. HPV Program Robust Summaries, the EU IUCLID Data Base, U.S. NTP publications, and other sources, as appropriate.

**List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:**

Acronym	Full text
N/A	Not applicable

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N/D	Not determined
NE	Not established
VOC	Volatile Organic Compound
AICS	Australian Inventory of Chemical Substances
AIHA WEEL	American Industrial Hygiene Association Workplace Environmental Exposure Limits
ASTM	ASTM International, originally known as the American Society for Testing and Materials (ASTM)
DSL	Domestic Substance List (Canada)
EINECS	European Inventory of Existing Commercial Substances
ELINCS	European List of Notified Chemical Substances
ENCS	Existing and new Chemical Substances (Japanese inventory)
IECSC	Inventory of Existing Chemical Substances in China
KECI	Korean Existing Chemicals Inventory
NDSL	Non-Domestic Substances List (Canada)
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances
TLV	Threshold Limit Value (American Conference of Governmental Industrial Hygienists)
TSCA	Toxic Substances Control Act (U.S. inventory)
UVCB	Substances of Unknown or Variable composition, Complex reaction products or Biological materials
LC	Lethal Concentration
LD	Lethal Dose
LL	Lethal Loading
EC	Effective Concentration
EL	Effective Loading
NOEC	No Observable Effect Concentration
NOELR	No Observable Effect Loading Rate

### REASON FOR REVISION:

Updated Section 1 with REACH registration number

REVISION DATE: 13 July 2018

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## ANNEX

Annex not available