Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))
SOCOSURF A 1858 - P61858A

Safety Data Sheet dated 6/6/2019, version 6

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

1.1. Product identifier

Trade name: SOCOSURF A 1858

MSDS code: P61858A

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

Recommended use:

Deoxidizer

Industrial uses

Uses advised against:

Professional uses

1.3. Details of the supplier of the safety data sheet

Manufacturers:

Socomore SASU

Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - France

Tel : +33 (0)2 97 43 76 83 - Fax : +33 (0)2 97 54 50 26

Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland - Tel +353 21 4889922 / Fax +353 21 4889923 / ireland@socomore.com

Socomore GmbH - c/o MAZARS GmbH - Theodor-Stern-Kai 1 - 60596 Frankfurt am Main - Deutschland - Tel: +49 (0)89 20 70 28 83 - Fax: +49 (0) 89 88 91 98 16

Socomore Iberia - Calle Diputació, 260 - 08007 Barcelona - Espana - Tel: +34 917 693 962 - Fax: +34 902 908 966

SOCOMORE SPzoo - Ul. Piekna 18, 00-549 Warszawa Polska - Tel : +48 608 454 114 - Fax : +48 (22) 621 61 09

Competent person responsible for the safety data sheet:

techdirsocomore@socomore.com

1.4. Emergency telephone number

France : ORFILA (INRS) +33 (0)1 45 42 59

International : CHEMTEL +1-813-248-0585.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

- Warning, Met. Corr. 1, May be corrosive to metals.
- Warning, Acute Tox. 4, Harmful if inhaled.
- Danger, Skin Corr. 1A, Causes severe skin burns and eye damage.
- Danger, Eye Dam. 1, Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H290 May be corrosive to metals.
H332 Harmful if inhaled.
H314 Causes severe skin burns and eye damage.

Precautionary statements:

P261 Avoid breathing vapours.
P280 Wear protective gloves and eye/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER if you feel unwell.

Special Provisions:

None

Contains

NITRIC ACID
SULPHURIC ACID

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number		Classification
>= 30% - < 40%	sulphuric acid ... %	Index number: CAS: EC: REACH No.:	016-020-00-8 7664-93-9 231-639-5 01-2119458838-20	3.2/1A Skin Corr. 1A H314
>= 15% - < 20%	nitric acid ... %	Index number: CAS: EC:	007-004-00-1 7697-37-2 231-714-2	2.13/2 Ox. Liq. 2 H272 3.1/3/Inhal Acute Tox. 3 H331 3.2/1A Skin Corr. 1A H314 EUH071

		REACH No.: 01-2119487297-23	

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

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

Burning sensation.

Redness.

Small amounts splashed in the eyes may cause irreparable tissue damage and blindness.

Tearing.

Burns of the mouth.

Abdominal pain.

Risk of respiratory tract irritation.

Cough

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

Use extinguishing media appropriate for the surrounding materials.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

sulphuric acid ... % - CAS: 7664-93-9

- OEL Type: National - TWA(8h): 0.05 mg/m3 - STEL: 3 mg/m3 - Notes: France VLEI
- OEL Type: National - TWA(8h): 5.2 mg/m3 - Notes: Germany - Notes DFG
- OEL Type: EU - TWA(8h): 0,05 mg/m3 - Notes: thoracic fraction

- OEL Type: ACGIH - TWA(8h): 0.2 mg/m3 - Notes: (T), A2(M) - Pulm func
- OEL Type: National - TWA(8h): 0.1 mg/m3 - Notes: TRGS 900 - Germany

nitric acid ... % - CAS: 7697-37-2

- OEL Type: National - TWA(8h): 5 mg/m3, 2 ppm - STEL: 2.6 mg/m3, 1 ppm - Notes: France VLEI
- OEL Type: National - TWA(8h): 5.2 mg/m3 - Notes: Germany - Notes DFG
- OEL Type: EU - STEL: 2.6 mg/m3, 1 ppm
- OEL Type: ACGIH - TWA(8h): 2 ppm - STEL: 4 ppm - Notes: URT and eye irr, dental erosion

DNEL Exposure Limit Values

sulphuric acid ... % - CAS: 7664-93-9

Worker Industry: 0.05 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 0.1 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects

nitric acid ... % - CAS: 7697-37-2

Worker Industry: 2.6 mg/m3 - Worker Professional: 2.6 mg/m3 - Consumer: 1.3 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 1.3 mg/m3 - Worker Professional: 2.6 mg/m3 - Consumer: 1.3 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects

mg/m3

PNEC Exposure Limit Values

sulphuric acid ... % - CAS: 7664-93-9

Target: Fresh Water - Value: 0.0025 mg/l

Target: Marine water - Value: 0.00025 mg/l

Target: Freshwater sediments - Value: 0.002 mg/kg

Target: Marine water sediments - Value: 0.002 mg/kg

Target: Microorganisms in sewage treatments - Value: 8.8 mg/l

Biological Exposure Index

8.2. Exposure controls

See below, example of PPE to use.

Eye protection:

Safety goggles (EN 166)

Face protection shield.

Use closed fitting safety goggles, don't use eye lens.

Protection for skin:

Chemical protection clothing. (type 3 - EN14605)

Chemical protection clothing. (type 6 - EN13034)

Boots.

Protection for hands:

Suitable gloves type: NF EN374

NR (natural rubber, natural latex).

NBR (nitrile rubber).

PVC (polyvinyl chloride).

Butyl rubber (isobutylene-isoprene copolymer)

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Appearance and colour:	Clear colourless to yellow liquid	--	--
Odour:	N.A.	--	--
Odour threshold:	N.A.	--	--
pH:	1	ISO 4316, ASTM E70	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	118.6°C	--	--
Flash point (°C):	N.A.	--	--
Flash Point (°F):	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	>20.012 hPa, 20°C	--	calculated
Vapour density:	<1.9591	--	calculated
Relative density:	1.425	ISO 649, ASTM D1298	--

Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	**Value**	**Method:**	**Notes**
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

Volatile Organic compounds - VOCs = 0 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions
10.2. Chemical stability
Stable under normal conditions
10.3. Possibility of hazardous reactions
None
10.4. Conditions to avoid
Stable under normal conditions.
10.5. Incompatible materials
Metals.
10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

sulphuric acid ... % - CAS: 7664-93-9

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2140 mg/kg
Test: LC50 - Route: Inhalation Dust - Species: Rat = 0.375 mg/l - Duration: 4h
Test: LC50 - Route: Inhalation Vapour - Species: Rat < 0.5 mg/l
Test: LD50 - Route: Oral - Species: Mouse = 0.85 mg/l
Test: LC50 - Route: Inhalation Mist - Species: Rat = 0.375 mg/l - Duration: 4h
Test: LC50 - Route: Inhalation Dust - Species: Mouse = 0.600 mg/l - Duration: 8h
Test: LC50 - Route: Inhalation Mist - Species: Mouse = 0.600 mg/l - Duration: 8h

i) STOT-repeated exposure:

Route: Inhalation - Species: Rat = 0.3 mg/m3 - Source: NOAEC

nitric acid ... % - CAS: 7697-37-2

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 1.56 mg/l - Duration: 4h

g) reproductive toxicity:

Test: Reproductive Toxicity - Route: Oral - Species: Rat > 1500 mg/kg - Duration: 28 days

i) STOT-repeated exposure:

Test: NOAEL - Route: Oral - Species: Rat = 1500 mg/kg
Test: NOAEC - Route: Inhalation - Species: Rat > 2.15 ppm - Duration: 28 days
Test: NOAEC (KNO3) - Route: Inhalation - Species: Rat > 2.15 ppm - Duration: 90 days

If not specified in other sections, the information required in Regulation (EU)2015/830 listed below must be considered as not relevant.:

a) acute toxicity;
b) skin corrosion/irritation;
c) serious eye damage/irritation;
d) respiratory or skin sensitisation;
e) germ cell mutagenicity;
f) carcinogenicity;
g) reproductive toxicity;
h) STOT-single exposure;
i) STOT-repeated exposure;
j) aspiration hazard.

Other toxicological information:

NITRIC ACID
Skin corrosion/skin irritation:
Corrosive, causes severe burns
Eye damage / eye irritation:
Corrosive, causes severe burns
Inhalation: May be harmful by inhalation. Causes irritation of the respiratory system.

Ingestion:
May cause burns to mouth, throat and stomach.
Absorption: Quickly absorbed.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
sulphuric acid ... % - CAS: 7664-93-9
a) Aquatic acute toxicity:
Endpoint: NOEC - Species: Algae = 0.13 mg/l
Endpoint: LC50 - Species: Fish > 16 mg/l - Duration h: 96 - Notes: Lepomis macrochirus
Endpoint: EC50 - Species: Daphnia = 29 mg/l - Duration h: 24
Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus
Endpoint: LC50 - Species: Daphnia > 100
Endpoint: LC50 - Species: Fish = 82 mg/l - Duration h: 24
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish = 0.025 mg/l - Duration h: 1560 - Notes: Jordanella floridae
Endpoint: NOEC - Species: Daphnia = 0.15 mg/l - Notes: Tanytarsus Tanytarsus dissimilis
c) Bacteria toxicity:
Endpoint: NOEC - Species: bacteria = 26.000 mg/l - Duration h: 888 - Notes: Boue activée
nitric acid ... % - CAS: 7697-37-2
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96
Endpoint: LC50 - Species: Daphnia = 180 mg/l - Duration h: 48

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

Wassergefährdungsklasse (Deutschland) : WGK 1

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions.
In so doing, comply with the local and national regulations currently in force.
Codes of wastes (Décision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):
06 01 99 wastes not otherwise specified

SECTION 14: Transport information



14.1. UN number

ADR-UN Number:	1796
IATA-UN Number:	1796
IMDG-UN Number:	1796

14.2. UN proper shipping name

ADR-Shipping Name:	NITRATING ACID MIXTURE
IATA-Shipping Name:	NITRATING ACID MIXTURE
IMDG-Shipping Name:	NITRATING ACID MIXTURE

14.3. Transport hazard class(es)

ADR-Class:	8
ADR - Hazard identification number:	80
IATA-Class:	8
IATA-Label:	8
IMDG-Class:	8

14.4. Packing group

ADR-Packing Group:	II
IATA-Packing group:	II
IMDG-Packing group:	II

14.5. Environmental hazards

ADR-Enviromental Pollutant:	No
IMDG-Marine pollutant:	No

14.6. Special precautions for user

ADR-Subsidiary risks:	-
ADR-S.P.:	-

ADR-Transport category (Tunnel restriction code): 2 (E)

IATA-Passenger Aircraft:	Forbidden
IATA-Subsidiary risks:	-
IATA-Cargo Aircraft:	855
IATA-S.P.:	A1
IATA-ERG:	8L
IMDG-EmS:	F-A , S-B
IMDG-Subsidiary risks:	-
IMDG-Stowage and handling:	Category D SW2
IMDG-Segregation:	-

Q.L.: 1L

Q.E.: E2

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restrictions related to the substances contained:

No restriction.

Listed or in compliance with the following international inventories:

TSCA - Toxic Substances Control Act

Labelling of detergents (EC Regulations 648/2004 and 907/2006):

N.A.

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.
1999/13/EC (VOC directive)
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No

SECTION 16: Other information

N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:

H314 Causes severe skin burns and eye damage.
H272 May intensify fire; oxidiser.

H331 Toxic if inhaled.
EUH071 Corrosive to the respiratory tract.

Hazard class and hazard category	Code	Description
Ox. Liq. 2	2.13/2	Oxidising liquid, Category 2
Met. Corr. 1	2.16/1	Substance or mixture corrosive to metals, Category 1
Acute Tox. 3	3.1/3/Inhal	Acute toxicity (inhalation), Category 3
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Eye Dam. 1	3.3/1	Serious eye damage, Category 1

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Met. Corr. 1, H290	On basis of test data
Acute Tox. 4, H332	Calculation method
Skin Corr. 1A, H314	On basis of test data (pH)
Eye Dam. 1, H318	On basis of test data (pH)

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold
CCNL - Appendix 1
Insert further consulted bibliography

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SOCOMORE strongly advises every recipient of this safety data sheet to read it carefully and to consult experts in the field if necessary or appropriate, in order to understand the information it contains, notably the possible dangers associated with this product. The users must ensure the conformity and completeness of this information with regards to their specific use of the product. The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the responsibility of the purchaser/user to ensure that their activities conform with current legislation in force.

The information is considered correct, but it is not exhaustive and it shall be used only as a guide which is based on the current knowledge of the substance or mixture and it is applicable to the safety precautions appropriate for the product.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
STOT SE:	May cause drowsiness or dizziness
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average

TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.