

**Safety Data Sheet**  
**SOCOSURF A1850 - P61850**

Safety Data Sheet dated 12/9/2015, version 1

**1. IDENTIFICATION**

Product identifier

Mixture identification:

Trade name: SOCOSURF A1850

Other means of identification:

MSDS code: P61850

Recommended use of the chemical and restrictions on use

Recommended use:

Deoxidizer

Industrial uses

Professional uses

Restrictions on use:

No uses advised against are identified.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company:

Dysol Inc. - 2901 Shamrock Ave. - Forth Worth, TX 76107 / Phone: 1-817-335-1826 /  
csr-na@socomore.com/ Fax Number: 817-335-2405

Distributor : SOCOMORE S.A.S.

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

Tel : +33 (0)2 97 43 76 83 - Fax : +33 (0)2 97 54 20 26

Distributor: Socomore Ltd - 5, Coe Avenue - Loughborough - Leicestershire - LE11 4SE - UK  
- Tel: +44 1509 262040 - Fax: +44 1509 262046Distributor: Socomore Iberia - Calle Diputació, 260 - 08007 Barcelona - Espana - Tel: +34 917  
693 962 - Fax: +34 902 908 966Distributor: MagChem Inc. 1271, rue Ampère, suite 101, Boucherville, QC, J4B 5Z5 Canada -  
Tel: 1-450 641 8500 - Fax: 1-450 655 1717Distributor: Socomore GmbH - c/o MAZARS GmbH - Bernhard-Wicki-Straße 7 - 80636  
München - Deutschland - Tel: +49 (0)89 20 70 28 83 - Fax: +49 (0) 89 88 91 98 16Distributor: Socomore Trading Shangai - 355 East Kang Qiao Road - Kang Qiao Industrial  
Zone - Pudong - 201315 Shangai - Tel: 862158131133 - Fax: 862158131933Dystrybutor : SOCOMORE SPzoo - Ul. Piekna 18, 00-549 Warszawa Polska - Tel : +48 (22)  
486 084 41 14 - Fax : +48 (22) 621 61 09

Competent person responsible for the safety data sheet:

techdirsocomore@socomore.com

Emergency phone number

CHEMTEL: 1-800-255-3924 (USA) / CANUTEC: 1-613-996-6666 (CANADA)

**2. HAZARD(S) IDENTIFICATION**

Classification of the chemical

Danger, Skin Corr. 1A, Causes severe skin burns and eye damage.

Danger, Eye Dam. 1, Causes serious eye damage.

Label elements

Symbols:



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Danger

Hazard statements:  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.

Precautionary statements:  
P260 Do not breathe vapours.  
P264 Wash Hand thoroughly after handling.  
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/shower.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
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.  
P363 Wash contaminated clothing before reuse.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:  
None

Hazards not otherwise classified identified during the classification process:  
None

Ingredient(s) with unknown acute toxicity:  
None.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substances


N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

&gt;= 50% - &lt; 60% nitric acid ...%

Index number: 007-004-00-1, CAS: 7697-37-2, EC: 231-714-2

 B.13/3 Ox. Liq. 3 H272 A.2/1A Skin Corr. 1A H314

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**4. FIRST-AID MEASURES**

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Remove contaminated clothing immediately and dispose off 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 ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

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In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

None

Indication of 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:

No particular treatment.

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#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

None

Explosive properties: N.A.

Oxidizing properties: N.A.

Special protective equipment and precautions for fire-fighters

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.

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#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

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

Provide adequate ventilation.

Remove persons to safety.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

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#### 7. HANDLING AND STORAGE

Precautions for safe handling

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

Do not use on extensive surface areas in premises where there are occupants.

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.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

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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.

Storage temperature:

Store at ambient temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

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

- OEL Type: EU - STE: 2.6 mg/m<sup>3</sup>, 1 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)

- OEL Type: ACGIH - LTE(8h): 2 ppm - STE: 4 ppm - Notes: URT and eye irr, dental erosion

- OEL Type: National - STE: 2.6 mg/m<sup>3</sup>, 1 ppm - Notes: France

- OEL Type: National - LTE(8h): 5.2 mg/m<sup>3</sup> - Notes: Germany - Notes DFG

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Safety goggles (EN 166)

Face protection shield. (EN 166)

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

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Boots.

Overall.

Protection for hands:

Suitable gloves type: NF EN374

NR (natural rubber, natural latex).

NBR (nitrile rubber).

PVC (polyvinyl chloride).

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Appearance and colour:	CLEAR COLOURLESS TO YELLOW LIQUID	--	--
Odour:	N.A.	--	--

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Odour threshold:	N.A.	--	--
pH:	0.5	ISO 4316, ASTM E70	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	N.A. ° F	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	1.325	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.	--	--

**10. STABILITY AND REACTIVITY**

Reactivity

Stable under normal conditions

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

None

Conditions to avoid

Stable under normal conditions.

Incompatible materials

None in particular.

Hazardous decomposition products

None.

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**11. TOXICOLOGICAL INFORMATION**

Information on toxicological effects  
 Toxicological information of the mixture:  
 N.A.  
 Toxicological information of the main substances found in the mixture:  
 N.A.  
 Substance(s) listed on the NTP report on Carcinogens:  
 None.  
 Substance(s) listed on the IARC Monographs:  
 None.  
 Substance(s) listed as OSHA Carcinogen(s):  
 None.  
 Substance(s) listed as NIOSH Carcinogen(s):  
 None.

**12. ECOLOGICAL INFORMATION**

Ecotoxicity  
 Adopt good working practices, so that the product is not released into the environment.  
 N.A.  
 Persistence and degradability  
 N.A.  
 Bioaccumulative potential  
 N.A.  
 Mobility in soil  
 N.A.  
 Other adverse effects  
 No harmful effects expected.

**13. DISPOSAL CONSIDERATIONS**

Waste treatment and disposal 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.

**14. TRANSPORT INFORMATION**



UN number	
ADR-UN Number:	2031
DOT number:	UN2031
IATA-UN Number:	2031
IMDG-UN Number:	2031
UN proper shipping name	
ADR-Shipping Name:	NITRIC ACID, other than red fuming, with less than 65% nitric acid
DOT-Shipping Name:	Nitric acid other than red fuming with not more than 20 percent nitric acid
IATA-Shipping Name:	NITRIC ACID, other than red fuming, with less than 65% nitric acid
IMDG-Shipping Name:	NITRIC ACID, other than red fuming, with less than 65% nitric acid

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Transport hazard class(es)	
ADR-Class:	8
DOT Hazard Class:	8
ADR - Hazard identification number:	80
IATA-Class:	8
IATA-Label:	8
IMDG-Class:	8
Packing group	
ADR-Packing Group:	II
DOT Packing group:	II
IATA-Packing group:	II
IMDG-Packing group:	II
Environmental hazards	
ADR-Environmental Pollutant:	No
IMDG-Marine pollutant:	No
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)	
N.A.	
Special precautions	
DOT Special provisions:	A6, B2, B47, B53, IB2, T8, TP2
DOT Labels:	8
ADR-Subsidiary risks:	-
ADR-S.P.:	-
ADR-Tunnel Restriction Code:	(E)
IATA-Passenger Aircraft:	851
IATA-Subsidiary risks:	-
IATA-Cargo Aircraft:	855
IATA-S.P.:	-
IATA-ERG:	8L
IMDG-EmS:	F-A , S-B
IMDG-Subsidiary risks:	-
IMDG-Storage category:	Category D
IMDG-Storage notes:	-

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## 15. REGULATORY INFORMATION

### USA - Federal regulations

#### TSCA - Toxic Substances Control Act

List of substances not included in the TSCA inventory: nitric acid ...%.

TSCA listed substances:

None.

#### SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.

Section 304 – Hazardous substances: no substances listed.

Section 313 – Toxic chemical list: no substances listed.

#### CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

#### CAA - Clean Air Act

CAA listed substances:

None.

#### CWA - Clean Water Act

CWA listed substances:

None.

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#### USA - State specific regulations

##### California Proposition 65

Substance(s) listed under California Proposition 65:  
None.

##### Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:  
No substances listed.

##### New Jersey Right to know

Substance(s) listed under New Jersey Right to know:  
No substances listed.

##### Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:  
No substances listed.

The following substance(s) in this product has/have an identification by CAS number either in countries not affected by the REACH regulation or in regulations not yet updated to reflect the new naming convention for hydrocarbon solvents:

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## 16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H272 May intensify fire; oxidiser.

H314 Causes severe skin burns and eye damage.

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#### Disclaimer:

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. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
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.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
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.
NFPA:	National Fire Protection Association



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NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
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.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).