Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))
SOCOSURF A1858

Regulation (EU) n. 2020/878

Safety Data Sheet date: 19/4/2023, version 10

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

1.1. Product identifier

Trade name: SOCOSURF A1858
SDS code: P61858
UFI: 66N9-P8J8-AR5D-E9R6

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

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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 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 dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/clothing 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 [C <= 70 %]
sulphuric acid

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

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

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:	016-020-00-8	2.16/1 Met. Corr. 1 H290 3.3/1 Eye Dam. 1 H318 3.2/1A Skin Corr. 1A H314 Specific Concentration Limits:
		CAS:	7664-93-9	
		EC:	231-639-5	
		REACH No.:	01-2119458838	

			-20	C >= 15%: Skin Corr. 1A H314 5% <= C < 15%: Skin Irrit. 2 H315 5% <= C < 15%: Eye Irrit. 2 H319
>= 15% - < 20%	nitric acid [C <= 70 %]	Index number: CAS: EC: REACH No.:	007-004-00-1 7697-37-2 231-714-2 01-2119487297-23	2.13/2 Ox. Liq. 2 H272 3.3/1 Eye Dam. 1 H318 2.16/1 Met. Corr. 1 H290 3.1/3/Inhal Acute Tox. 3 H331 3.2/1A Skin Corr. 1A H314 EUH071 Specific Concentration Limits: 0% <= C < 70%: Acute Tox. 3 H331 5% <= C < 20%: Skin Corr. 1B H314 C >= 65%: Ox. Liq. 2 H272 C >= 20%: Skin Corr. 1A H314 Acute Toxicity Estimate: ATE - Inhalation (Vapours) 2,65 mg/l

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:
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.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.

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

Occupational exposure limit values

sulphuric acid - CAS: 7664-93-9

- OEL Type: National - TWA(8h): 0.05 mg/m3 - STEL: 3 mg/m3 - Behaviour: Indicative - Notes: France VLEP - fraction thoracique
- OEL Type: National - TWA(8h): 5.2 mg/m3 - Notes: Germany - Notes DFG
- OEL Type: EU - TWA(8h): 0.05 mg/m3 - STEL: 0.1 mg/m3
- 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
- OEL Type: National - TWA(8h): 0.05 mg/m3 - Notes: Poland - frakcja torakalna
- OEL Type: NIOSH REL - TWA(Up to 10h): 1 mg/m3
- OEL Type: National - TWA: 1 mg/m3 - STEL(5 min (Mow)): 2 mg/m3 - Notes: Osterreich - einatembare Fraktion
- OEL Type: National - TWA: 0.2 mg/m3 - Notes: Belgique (brume/nevel)

nitric acid [C <= 70 %] - CAS: 7697-37-2

- OEL Type: National - STEL: 2.6 mg/m3, 1 ppm - Behaviour: Indicative - Notes: France VLEP
- 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
- OEL Type: National - TWA(8h): 1.4 mg/m3, 2.6 ppm - Notes: Poland
- OEL Type: National - TWA: 5 mg/m3, 2 ppm - STEL(5 min (Mow)): 10 mg/m3, 4 ppm - Notes: Osterreich

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 [C <= 70 %] - 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

N.A.

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

Other conditions affecting workers exposure:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Light yellow	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	Not Relevant	--	--

Boiling point or initial boiling point and boiling range:	125°C	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	Not Relevant	--	--
Flash point (°C):	Not Relevant	--	--
Auto-ignition temperature:	Not Relevant	--	--
Decomposition temperature:	N.A.	--	--
pH:	1	ISO 4316, ASTM E70	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	>20.012 hPa, 20°C	--	calculated
Density and/or relative density:	1.425	ISO 649, ASTM D1298	--
Relative vapour density:	<1.9591	--	calculated
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

No other relevant information

Volatile Organic compounds - VOCs = 0 %

Volatile Organic compounds - VOCs = 0 g/l

N.A. = not available

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

Toxicological information of the product:

SOCOSURF A1858

Acute toxicity:

ATEmix - Inhalation (Vapours) 15,5937 mg/l

Toxicological information of the main substances found in the product:

sulphuric acid - CAS: 7664-93-9

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
Test: NOAEC - Route: Inhalation Vapour - Species: Rat = 0.3 mg/m3 - Duration: 90 Jours - Source: NOAEC

nitric acid [C <= 70 %] - CAS: 7697-37-2

Acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 1.56 mg/l - Duration: 4h
ATE - Inhalation (Vapours) 2,65 mg/l

Reproductive toxicity:

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

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 differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:

Acute toxicity;

Skin corrosion/irritation;
Serious eye damage/irritation;
Respiratory or skin sensitisation;
Germ cell mutagenicity;
Carcinogenicity;
Reproductive toxicity;
STOT-single exposure;
STOT-repeated exposure;
Aspiration hazard.

11.2. Information on other hazards

Endocrine disrupting properties:
No endocrine disruptor substances present in concentration >= 0.1%

Other toxicological information:
nitric acid [C <= 70 %]
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 [C <= 70 %] - 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. Endocrine disrupting properties
No endocrine disruptor substances present in concentration >= 0.1%
12.7. 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 or ID 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
IMDG-EmS:	F-A , S-B

14.6. Special precautions for user

ADR-Subsidiary hazards: -
ADR-S.P.: -
ADR-Transport category (Tunnel restriction code): 2 (E)
IATA-Passenger Aircraft: Forbidden
IATA-Subsidiary hazards: -
IATA-Cargo Aircraft: 855
IATA-S.P.: A1
IATA-ERG: 8L
IMDG-Subsidiary hazards: -
IMDG-Stowage and handling: Category D SW2
IMDG-Segregation: SGG1a SG36 SG49
Q.L.: 1L
Q.E.: E2

14.7. Maritime transport in bulk according to IMO instruments

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) 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)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 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:

Restriction 75

Listed or in compliance with the following international inventories:

AICS - Australian Inventory of Chemical Substances
Canada (DSL): All the susbtances of this product are listed on the DSL list.
IECSC - Inventory of Existing Chemical Substances Produced or Imported in China
Japan (ENCS) - Japanese Existing and New Chemical Substances Inventory
Japan (ISHL) = ISAH Industry Safe and Health Act
KECI - Koreal Existing Chemical Inventory
NZIoC - New Zealand Inventory of Chemicals
PICCS - Philippine Inventory of Chemicals and Chemical Substances
TCSI - Taiwan Chemical Substance Inventory
TSCA - Toxic Substances Control Act

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

N.A.

Labelling of biocides (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):

N.A.

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:

H290 May be corrosive to metals.
H318 Causes serious eye damage.

H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
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
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2

This safety data sheet has been completely updated in compliance to Regulation 2020/878.
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	Calculation method
Eye Dam. 1, H318	Calculation method

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

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.