

Safety Data Sheet

SOCOPAC 50S AEROSOL - P19191A

Safety Data Sheet dated 1/30/2019, version 2

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: SOCOPAC 50S AEROSOL

Other means of identification:

SDS code: P19191A

Recommended use of the chemical and restrictions on use

Recommended use:

Paint/Coating

Industrial 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:

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: Dysol Inc. - 791 Westport Parkway - Fort Worth, TX 76177 / Phone:

1-817-335-1826 / csr-na@socomore.com/ Fax Number: 817-335-2405

Distributor: Socomore Ltd - 5, Coe Avenue - Loughborough - Leicestershire - LE11 4SE - UK

- Tel: +44 1509 262040 - Fax: +44 1509 262046

Distributor: Socomore Iberia - Calle Diputacio, 260 - 08007 Barcelona - Espana - Tel: +34 917

693 962 - Fax: +34 902 908 966

Distributor: MagChem Inc. 1271, rue Ampere, suite 101, Boucherville, QC, J4B 5Z5 Canada -

Tel: 1-450 641 8500 - Fax: 1-450 655 1717

Distributor: 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

Distributor: Socomore Trading Shangai - 355 East Kang Qiao Road - Kang Qiao Industrial

Zone - Pudong - 201315 Shangai - Tel: 862158131133 - Fax: 862158131933

Dystrybutor : SOCOMORE SPzoo - Ul. Piekna 18, 00-549 Warszawa Polska - Tel : +48 608

454 114 - Fax : +48 (22) 621 61 09

Distributor/Manufacturer: Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland

- Tel +353 21 4889922 / Fax +353 21 4889923 / ireland@socomore.com

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, Flam. Aerosol 1, Extremely flammable aerosol.



Warning, STOT SE 3, May cause drowsiness or dizziness.



Danger, STOT RE 1, Causes damage to organs through prolonged or repeated exposure.

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Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Label elements

Hazard pictograms:



Danger

Hazard statements:

H222 Extremely flammable aerosol.

H336 May cause drowsiness or dizziness.

H372 Causes damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P314 Get medical advice/attention if you feel unwell.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

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Mixtures

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

>= 25% - < 30% HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

EC: 919-857-5

 B.6/3 Flam. Liq. 3 H226

 A.10/1 Asp. Tox. 1 H304

 A.8/3 STOT SE 3 H336

>= 25% - < 30% HFO-1234ZE

CAS: 29118-24-9, EC: 471-480-0

 B.5/C Compr. Gas H280

>= 7% - < 10% DISTILLATE(PETROLEUM), LIGHT HYDROTREATED

CAS: 64742-47-8, EC: 265-149-8

 A.10/1 Asp. Tox. 1 H304

 A.8/3 STOT SE 3 H336

>= 3% - < 5% HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICS (2-25%)

REACH No.: 01-2119458049-33, EC: 919-446-0

 A.9/1 STOT RE 1 H372

 B.6/3 Flam. Liq. 3 H226

 A.10/1 Asp. Tox. 1 H304

 A.8/3 STOT SE 3 H336

 US-HAE/C2 Aquatic Chronic 2 H411

>= 0.5% - < 1% BENZENESULFONIC ACID, DI-C10-14-ALKYL DERIVS, CALCIUM SALTS

REACH No.: 01-2119978241-36, EC: 939-603-7

 A.4.2/1B Skin Sens. 1B H317

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

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Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.

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.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

CO2 or Dry chemical fire extinguisher.

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: yes

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

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.

Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

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Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

See section 10.5

Instructions as regards storage premises:

Cool and adequately ventilated.

Storage temperature:

Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

- OEL Type: National - TWA: 1200 mg/m³, 197 ppm - Notes: ExxonMobil

DNEL Exposure Limit Values

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Worker Industry: 208 mg/kg bw/day - Consumer: 125 mg/kg bw/day - Exposure:

Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 871 mg/m³ - Consumer: 185 mg/kg bw/day - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

Consumer: 125 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICS (2-25%)

Worker Industry: 44 mg/kg bw/day - Consumer: 26 mg/kg bw/day - Exposure: Human

Dermal - Frequency: Long Term, systemic effects

Worker Industry: 330 mg/m³ - Consumer: 71 mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Consumer: 26 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

N.A.

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Safety goggles (EN 166)

Protection for skin:

Chemical protection clothing. (type 4 - EN14605)

Protection for hands:

Suitable gloves type: NF EN374

NBR (nitrile rubber).

PVA (Polyvinyl alcohol).

Respiratory protection:

Filtering Half-face mask (NF EN 149), class FFP1

Mask with filter "A1" , brown colour (NF EN14387)

Filtering device (NF EN 143): P1, white

Thermal Hazards:

None

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9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Appearance and colour:	THIXOTROPIC BROWN RED LIQUID / SPRAY	--	--
Odour:	N.A.	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	<= 35°C	--	--
Flash Point (°F):	N.A.	--	--
Flash point (°C):	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	0.6-14%	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	< 1	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	>201°C	--	40% Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics
60% not dangerous substances			
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	yes	--	may form explosive mixtures with air (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics)
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.	--	--

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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

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg - Duration: 24 hours

Test: LC50 - Route: Inhalation - Species: Rat > 4951 mg/m³ - Duration: 8h

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICS (2-25%)

a) acute toxicity:

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 13.1 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rat > 3400 mg/kg

Test: LD50 - Route: Oral - Species: Rat > 15000 mg/kg

BENZENESULFONIC ACID, DI-C10-14-ALKYL DERIVS, CALCIUM SALTS

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

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.

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 72 - Notes:

Pseudokirchnerella subcapitata

Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: Daphnia magna

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Endpoint: DSEO-R (NOELR) - Species: Algae = 3 mg/l - Duration h: 72 - Notes: Pseudokirchnerella subcapitata - biomass - OECD 201)

Endpoint: DSEO-R (NOELR) - Species: Algae = 100 mg/l - Duration h: 72 - Notes: Pseudokirchnerella subcapitata - growth rate - OECD 201)

b) Aquatic chronic toxicity:

Endpoint: DSEO-R (NOELR) - Species: Daphnia = 0.23 mg/l - Duration h: 504 - Notes: Daphnia magna - QSAR Petrotox

Endpoint: DSEO-R (NOELR) - Species: Fish = 0.13 mg/l - Duration h: 672 - Notes: Oncorhynchus mykiss - QSAR Petrotox

DISTILLATE(PETROLEUM), LIGHT HYDROTREATED - CAS: 64742-47-8

b) Aquatic chronic toxicity:

Endpoint: LC50 - Species: Fish = 2.2 mg/l - Duration h: 96 - Notes: Lepomis macrochirus

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICS (2-25%)

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae > 4.6 mg/l - Duration h: 72

Endpoint: EC50 - Species: Algae < 10 mg/l - Duration h: 72

Endpoint: EC50 - Species: Daphnia > 10 mg/l - Duration h: 48

Endpoint: EC50 - Species: Daphnia < 22 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish > 10 mg/l - Duration h: 96

Endpoint: LC50 - Species: Fish < 30 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae = 0.22 mg/l - Duration h: 72

BENZENESULFONIC ACID, DI-C10-14-ALKYL DERIVS, CALCIUM SALTS

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: Truite arc-en-ciel

Endpoint: NOEC - Species: Fish > 100 mg/l - Duration h: 96 - Notes: Truite arc-en-ciel

Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: Cladocere

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72 - Notes: Selenestrum capricomutum

c) Bacteria toxicity:

Endpoint: EC50 - Species: bacteria > 10000 mg/l - Duration h: 0.1 - Notes: Boue

Persistence and degradability

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Biodegradability: Biodegradability rate - Duration: 28 days - %: 80

Biodegradability: Photodegradation (in air)

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICS (2-25%)

Biodegradability: Readily biodegradable

BENZENESULFONIC ACID, DI-C10-14-ALKYL DERIVS, CALCIUM SALTS

Biodegradability: Oxygen depletion - %: 8

Bioaccumulative potential

BENZENESULFONIC ACID, DI-C10-14-ALKYL DERIVS, CALCIUM SALTS

Log Kow 26.22

Mobility in soil

N.A.

Other adverse effects

Deutschland: WGK 2 (VwVwS vom 27/07/2005, KBws) : Wassergefahrdend.

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.

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14. TRANSPORT INFORMATION



UN number

ADR-UN Number: 1950
 DOT number: UN1950
 IATA-UN Number: 1950
 IMDG-UN Number: 1950

UN proper shipping name

ADR-Shipping Name: AEROSOLS, flammable
 DOT-Shipping Name: AEROSOLS, flammable
 IATA-Shipping Name: AEROSOLS, flammable
 IMDG-Shipping Name: AEROSOLS, flammable

Transport hazard class(es)

ADR-Class: 2
 DOT Hazard Class: 2.1
 ADR - Hazard identification number: -
 IATA-Class: 2.1
 IMDG-Class: 2.1
 IMDG-Class: 2

Packing group

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

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: N82
 DOT Labels: 2.1
 ADR-Subsidiary risks: See SP63
 ADR-S.P.: 190 327 344 625
 ADR-Transport category (Tunnel restriction code): (D)
 IATA-Passenger Aircraft: 203
 IATA-Subsidiary risks: See SP63
 IATA-Cargo Aircraft: 203
 IATA-S.P.: A145 A167 A802
 IATA-ERG: 10L
 IMDG-EmS: F-D , S-U
 IMDG-Subsidiary risks: See SP63
 IMDG-Stowage and handling: -
 IMDG-Segregation: Protected from sources of heat. For AEROSOLS with a maximum capacity of 1 litre: Category A. Segregation as for class 9 but "separated from" class 1 except division 1.4. For AEROSOLS with a capacity above 1 litre: Category B. Segregation as for the appropriate sub-division of class 2. For

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	WASTE AEROSOLS: Category C. Clear of living quarters. Segregation as for the appropriate sub-division of class 2.
Q.L.:	1L
Q.E.:	E0

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory.

TSCA listed substances:

HFO-1234ZE is listed in TSCA Section 8b

DISTILLATE(PETROLEUM), LIGHT HYDROTREATED is listed in TSCA Section 8b

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICS (2-25%) is listed in TSCA Section 8b.

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.

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:

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2%

AROMATICS (CAS: 64742-48-9)

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICS (2-25%) (64742-82-1)

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H280 Contains gas under pressure; may explode if heated.

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H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H317 May cause an allergic skin reaction.

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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.
NFPA:	National Fire Protection Association
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.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average