







### LFA245 SIVOSAT 15 Finitura PU trasparente - Clear PU top coat 15 gloss

Safety Data Sheet dated 9/16/2022, version 2

### 1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: SIVOSAT 15 Finitura PU trasparente - Clear PU top coat 15

gloss

Other means of identification:

Trade code: LFA245

Recommended use of the chemical and restrictions on use

Recommended use: IS- Industrial use PW - Professional use

Varnish for wood

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

Company

NUOVA S.I.V.A.M. SpA - Via Monviso, 10 - 20008 BAREGGIO (MI) - Tel. +39 02-903041 Importer:

Richelieu America Itd, 7021 Sterling Ponds Blvd, Sterling Heights, MI 48312-5809 U.S. Tel: +1-800-361-6000.

Emergency phone number for U.S.A.: Chemtrec +1-800-424-9300

Distributor:

Richelieu America Itd, 7021 Sterling Ponds Blvd, Sterling Heights, MI 48312-5809 U.S. Tel: +1-800-361-6000.

Emergency phone number for U.S.A.: Chemtrec +1-800-424-9300

Competent person responsible for the safety data sheet:

msds@sivam.it

Emergency phone number:

NUOVA S.I.V.A.M. SpA - Tel. +39 02- 903041 (Monday - Friday 8.00 - 15.00)

Poison Centre - Ospedale di Niguarda Ca' Granda - Milan - Tel. +39 02-66101029 (24 h)

### 2. HAZARD(S) IDENTIFICATION

Classification of the chemical

- ◆ Danger, Flam. Liq. 2, Highly flammable liquid and vapour.
- Warning, Skin Irrit. 2, Causes skin irritation.
- Warning, Eye Irrit. 2A, Causes serious eye irritation.
- Warning, Repr. 2, Suspected of damaging fertility or the unborn child.
- Warning, STOT SE 3, May cause respiratory irritation.
- Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

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

Label elements

Hazard pictograms:



Danger

Hazard statements:

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child.

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H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

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

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

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

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

P264 Wash ... Thoroughly after handling.

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

P273 Avoid release to the environment.

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

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

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.

P308+P313 IF exposed or concerned: Get medical advice/attention.

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

P314 Get medical advice/attention if you feel unwell.

P321 Specific treatment (see ... On this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

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

P370+P378 In case of fire, use alcool resistant foam, dry chemical, CO2, water spray. Do not use water jet.

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

P403+P235 Store in a well-ventilated place. Keep cool.

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.

Additional classification information

NFPA rating:

HMIS rating:

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

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

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Qty	Name	Ident. Numb	er	Classification
>= 25% - < 30%	xylene [4]	Index number: CAS: EC: REACH No.:	601-022-00-9 1330-20-7 215-535-7 01- 2119488216 -32	<ul> <li>♠ B.6/3 Flam. Liq. 3 H226</li> <li>US-HAE/C3 Aquatic Chronic 3</li> <li>H412</li> <li>♠ A.1/4/Dermal Acute Tox. 4 H312</li> <li>♠ A.1/4/Inhal Acute Tox. 4 H332</li> <li>♠ A.2/2 Skin Irrit. 2 H315</li> <li>♠ A.3/2A Eye Irrit. 2A H319</li> <li>♠ A.8/3 STOT SE 3 H335</li> <li>♠ A.9/2 STOT RE 2 H373</li> <li>♠ A.10/1 Asp. Tox. 1 H304</li> </ul>
>= 5% - < 7%	ethylbenzene	Index number: CAS: EC: REACH No.:	100-41-4 202-849-4	<ul> <li>₱ B.6/2 Flam. Liq. 2 H225</li> <li>₱ A.1/4/Inhal Acute Tox. 4 H332</li> <li>₱ A.9/2 STOT RE 2 H373</li> <li>₱ A.10/1 Asp. Tox. 1 H304</li> <li>US-HAE/C3 Aquatic Chronic 3</li> <li>H412</li> </ul>
>= 5% - < 7%	n-butyl acetate	Index number: CAS: EC: REACH No.:	607-025-00-1 123-86-4 204-658-1 01- 2119485493 -29	<ul> <li>₱ B.6/3 Flam. Liq. 3 H226</li> <li>₱ A.8/3 STOT SE 3 H336</li> </ul>
>= 3% - < 5%	isobutyl acetate [2]	Index number: CAS: EC: REACH No.:	110-19-0 203-745-1	<ul> <li>₱ B.6/2 Flam. Liq. 2 H225</li> <li>₱ A.8/3 STOT SE 3 H336</li> </ul>
>= 1% - < 2.5%	2-methoxy-1- methylethyl acetate	Index number: CAS: EC: REACH No.:	607-195-00-7 108-65-6 203-603-9 01- 2119475791 -29	<ul> <li>₱ B.6/3 Flam. Liq. 3 H226</li> <li>₱ A.8/3 STOT SE 3 H336</li> </ul>
>= 1% - < 2.5%	Polymeric Alkoxylate			◆A.3/2A Eye Irrit. 2A H319
>= 1% - < 2.5%	toluene	Index number: CAS: EC: REACH No.:	601-021-00-3 108-88-3 203-625-9 01- 2119471310 -51	<ul> <li>♠ B.6/2 Flam. Liq. 2 H225</li> <li>♠ A.7/2 Repr. 2 H361</li> <li>♠ A.10/1 Asp. Tox. 1 H304</li> <li>♠ A.9/2 STOT RE 2 H373</li> <li>♠ A.2/2 Skin Irrit. 2 H315</li> <li>♠ A.8/3 STOT SE 3 H336</li> </ul>
>= 1% - < 2.5%	ethyl acetate	Index number:	607-022-00-5	<ul> <li>♠ A.3/2A Eye Irrit. 2A H319</li> <li>♠ B.6/2 Flam. Liq. 2 H225</li> </ul>



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		CAS: EC: REACH No.:	141-78-6 205-500-4 01- 2119475103 -46	◆ A.8/3 STOT SE 3 H336
11 ppm	Decamethylcyclopentas iloxane (D5)	CAS: EC: REACH No.:	541-02-6 208-764-9 01- 2119511367 -43	The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
7 ppm	Dodecamethylcyclohex asiloxane (D6)	CAS: EC: REACH No.:	540-97-6 208-762-8 01- 2119517435 -42	The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
7 ppm	octamethylcyclotetrasilo xane (D4)	Index number: CAS: EC: REACH No.:	556-67-2 209-136-7	<ul> <li>₱ B.6/3 Flam. Liq. 3 H226</li> <li>₱ A.7/2 Repr. 2 H361</li> <li>US-HAE/C4 Aquatic Chronic 4</li> <li>H413</li> </ul>

#### 4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.

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 opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

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

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:

None

### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

In case of fire, use alcool resistant foam, dry chemical, CO2, water spray. Do not use water jet. 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:

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None

Explosive properties: N.D. in volume

Oxidizing properties: N.D.

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.

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

Provide adequate ventilation.

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.

#### 7. HANDLING AND STORAGE

Precautions for safe handling

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

Exercise the greatest care when handling or opening the container.

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

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.

Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

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

Avoid accumulating electrostatic charge.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Safety electric system.

Storage temperature:

Store at ambient temperature.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

xylene [4] - CAS: 1330-20-7

EU - TWA(8h): 221 mg/m3, 50 ppm - STEL: 442 mg/m3, 100 ppm - Notes: Skin ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS

impair

ethylbenzene - CAS: 100-41-4

EU - TWA(8h): 442 mg/m3, 100 ppm - STEL: 884 mg/m3, 200 ppm - Notes: Skin ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - URT irr, kidney dam (nephropathy), cochlear impair

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n-butyl acetate - CAS: 123-86-4

ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr

EU - TWA(8h): 241 mg/m3, 50 ppm - STEL: 723 mg/m3, 150 ppm

isobutyl acetate [2] - CAS: 110-19-0

ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr

EU - TWA(8h): 241 mg/m3, 50 ppm - STEL: 723 mg/m3, 150 ppm

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

EU - TWA(8h): 275 mg/m3, 50 ppm - STEL: 550 mg/m3, 100 ppm - Notes: Skin

TLV TWA - 275 mg/m3 - 50 ppm

TLV STEL - 550 mg/m3 - 100 ppm

toluene - CAS: 108-88-3

EU - TWA(8h): 192 mg/m3, 50 ppm - STEL: 384 mg/m3, 100 ppm - Notes: Skin

ACGIH - TWA(8h): 20 ppm - Notes: OTO; A4; BEI - CNS, visual & hearing impair; female

repro system eff; pregnancy loss

ethyl acetate - CAS: 141-78-6

ACGIH - TWA(8h): 400 ppm - Notes: URT and eye irr

EU - TWA(8h): 734 mg/m3, 200 ppm - STEL: 1468 mg/m3, 400 ppm

Decamethylcyclopentasiloxane (D5) - CAS: 541-02-6

ACGIH - TWA(8h): 10 ppm

octamethylcyclotetrasiloxane (D4) - CAS: 556-67-2

ACGIH - TWA(8h): 123 mg/m3, 10 ppm

**DNEL Exposure Limit Values** 

xylene [4] - CAS: 1330-20-7

Worker Industry: 289 mg/m3 - Worker Professional: 289 mg/m3 - Consumer: 174 mg/m3

- Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 77 mg/m3 - Worker Professional: 77 mg/m3 - Consumer: 14.8 mg/m3 -

Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 180 mg/kg - Worker Professional: 180 mg/kg - Consumer: 108 mg/kg -

Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects ethylbenzene - CAS: 100-41-4

Worker Industry: 180 mg/kg - Worker Professional: 180 mg/kg - Exposure: Human

Dermal - Frequency: Long Term, systemic effects

Worker Industry: 77 mg/m3 - Worker Professional: 77 mg/m3 - Consumer: 15 mg/m3 -

Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects n-butyl acetate - CAS: 123-86-4

Worker Industry: 300 mg/m3 - Worker Professional: 300 mg/m3 - Consumer: 35.7 mg/m3

- Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 300 mg/m3 - Worker Professional: 300 mg/m3 - Consumer: 35.7 mg/m3

- Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 11 mg/kg - Worker Professional: 11 mg/kg - Consumer: 6 mg/kg -

Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 2 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects isobutyl acetate [2] - CAS: 110-19-0

Worker Industry: 300 mg/m3 - Worker Professional: 300 mg/m3 - Consumer: 35.7 mg/m3

- Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 600 mg/m3 - Worker Professional: 600 mg/m3 - Consumer: 300 mg/m3

- Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 10 mg/kg - Worker Professional: 10 mg/kg - Consumer: 5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects 2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Worker Industry: 796 mg/kg - Worker Professional: 796 mg/kg - Consumer: 320 mg/kg -

Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 275 mg/m3 - Worker Professional: 275 mg/m3 - Consumer: 33 mg/m3 -

Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 550 mg/m3 - Worker Professional: 550 mg/m3 - Exposure: Human



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Inhalation - Frequency: Short Term, local effects

Consumer: 36 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects toluene - CAS: 108-88-3

Worker Industry: 384 mg/kg - Worker Professional: 384 mg/kg - Consumer: 226 mg/kg -Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 192 mg/m3 - Worker Professional: 192 mg/m3 - Consumer: 56.5 mg/m3

- Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 8.13 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

ethyl acetate - CAS: 141-78-6

Worker Industry: 1468 mg/m3 - Worker Professional: 1468 mg/m3 - Consumer: 734 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects Worker Industry: 1468 mg/m3 - Worker Professional: 1468 mg/m3 - Consumer: 734 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects Worker Industry: 63 mg/kg - Worker Professional: 63 mg/kg - Consumer: 37 mg/kg -

Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 734 mg/m3 - Worker Professional: 734 mg/m3 - Consumer: 367 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 734 mg/m3 - Worker Professional: 734 mg/m3 - Consumer: 367 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 4.5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects Decamethylcyclopentasiloxane (D5) - CAS: 541-02-6

Worker Industry: 24.2 mg/m3 - Worker Professional: 24.2 mg/m3 - Consumer: 4.3 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 97.3 mg/m3 - Worker Professional: 97.3 mg/m3 - Consumer: 17.3 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects Dodecamethylcyclohexasiloxane (D6) - CAS: 540-97-6

Worker Industry: 6.1 mg/m3 - Worker Professional: 6.1 mg/m3 - Consumer: 1.5 mg/m3 -Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 11 mg/m3 - Worker Professional: 11 mg/m3 - Consumer: 2.7 mg/m3 -

Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 1.7 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects octamethylcyclotetrasiloxane (D4) - CAS: 556-67-2

Worker Industry: 73 mg/m3 - Worker Professional: 73 mg/m3 - Consumer: 13 mg/m3 -

Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 73 mg/kg - Worker Professional: 73 mg/kg - Consumer: 13 mg/kg -

Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Consumer: 3.7 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects Consumer: 3.7 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects PNEC Exposure Limit Values

xylene [4] - CAS: 1330-20-7

Target: Fresh Water - Value: 0.327 mg/l Target: Marine water - Value: 0.327 mg/l

Target: Intermittent emission - Value: 0.327 mg/l Target: Freshwater sediments - Value: 12.46 mg/kg Target: Marine water sediments - Value: 12.46 mg/kg

Target: Microorganisms in sewage treatments - Value: 6.58 mg/l

Target: Soil (agricultural) - Value: 2.31 mg/kg

ethylbenzene - CAS: 100-41-4

Target: Fresh Water - Value: 0.1 mg/l Target: Marine water - Value: 0.01 mg/l

Target: Freshwater sediments - Value: 13.7 mg/kg Target: Marine water sediments - Value: 1.37 mg/kg

Target: Intermittent emission - Value: 0.1 mg/l

Target: Microorganisms in sewage treatments - Value: 9.6 mg/l

Target: Soil (agricultural) - Value: 2.68 mg/kg

n-butyl acetate - CAS: 123-86-4



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Target: Fresh Water - Value: 0.18 mg/l Target: Marine water - Value: 0.018 mg/l

Target: Intermittent emission - Value: 0.36 mg/l Target: Freshwater sediments - Value: 0.98 mg/kg

Target: Marine water sediments - Value: 0.098 mg/kg

Target: Microorganisms in sewage treatments - Value: 35.6 mg/l

Target: Soil (agricultural) - Value: 0.09 mg/kg

isobutyl acetate [2] - CAS: 110-19-0

Target: Fresh Water - Value: 0.17 mg/l Target: Marine water - Value: 0.017 mg/l

Target: Intermittent emission - Value: 0.34 mg/l

Target: Microorganisms in sewage treatments - Value: 200 mg/l

Target: Freshwater sediments - Value: 0.877 mg/kg Target: Marine water sediments - Value: 0.0877 mg/kg

Target: Soil (agricultural) - Value: 0.0755 mg/kg

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Target: Fresh Water - Value: 0.635 mg/l
Target: Marine water - Value: 0.0635 mg/l
Target: Intermittent emission - Value: 6.35 mg/l

Target: Microorganisms in sewage treatments - Value: 100 mg/l

Target: Freshwater sediments - Value: 3.29 mg/kg Target: Marine water sediments - Value: 0.329 mg/kg

Target: Soil (agricultural) - Value: 0.29 mg/kg

toluene - CAS: 108-88-3

Target: Fresh Water - Value: 0.074 mg/l Target: Marine water - Value: 0.0074 mg/l

Target: Freshwater sediments - Value: 1.78 mg/kg Target: Marine water sediments - Value: 0.178 mg/kg

Target: Microorganisms in sewage treatments - Value: 0.84 mg/l

Target: Soil (agricultural) - Value: 0.313 mg/kg

ethyl acetate - CAS: 141-78-6

Target: Fresh Water - Value: 0.24 mg/l Target: Marine water - Value: 0.02 mg/l

Target: Intermittent emission - Value: 1.65 mg/l

Target: Microorganisms in sewage treatments - Value: 650 mg/l

Target: Freshwater sediments - Value: 1.15 mg/kg Target: Marine water sediments - Value: 0.115 mg/kg

Target: Soil (agricultural) - Value: 0.148 mg/kg

Target: Food chain - Value: 200 mg/kg

Decamethylcyclopentasiloxane (D5) - CAS: 541-02-6

Target: Fresh Water - Value: 0.0012 mg/kg Target: Marine water - Value: 0.00012 mg/kg Target: Freshwater sediments - Value: 11 mg/kg Target: Marine water sediments - Value: 1.1 mg/kg

Target: Microorganisms in sewage treatments - Value: 10 mg/l

Target: Soil (agricultural) - Value: 2.54 mg/kg Dodecamethylcyclohexasiloxane (D6) - CAS: 540-97-6

Target: Freshwater sediments - Value: 13 mg/kg Target: Marine water sediments - Value: 1.3 mg/kg

Target: Microorganisms in sewage treatments - Value: 1 mg/kg

Target: Soil (agricultural) - Value: 3.77 mg/kg octamethylcyclotetrasiloxane (D4) - CAS: 556-67-2

Target: Fresh Water - Value: 0.00044 mg/l Target: Marine water - Value: 0.000044 mg/l

Target: Freshwater sediments - Value: 0.128 mg/kg Target: Marine water sediments - Value: 0.013 mg/kg

Target: Microorganisms in sewage treatments - Value: 10 mg/kg

Target: Soil (agricultural) - Value: 0.136 mg/kg



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Biological Exposure Index

xylene [4] - CAS: 1330-20-7

Value: 1.5 g/g - medium: Urine - Biological Indicator: Methyl hippuric acid in urine -

Sampling Period: End of turn

ethylbenzene - CAS: 100-41-4

Value: 0.15 g/g - medium: Urine - Biological Indicator: Sum of mandelic acid in urine and

acid fenilgliossalico - Sampling Period: End of turn; End of working week

toluene - CAS: 108-88-3

Value: 0.02 mg/L - medium: Blood - Biological Indicator: Toluene in blood - Sampling

Period: End of turn; End of working week

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Eye glasses with side protection. (EN166)

Protection for skin:

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

viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

(EN374)

Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

Use adequate protective respiratory equipment.

Thermal Hazards:

None

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour: Liquid,Opaque

Odour: typical Odour threshold: N.D.

pH: Not Relevant Melting point / freezing point: N.D. °C

Initial boiling point and boiling range: > 110 °C

Solid/gas flammability: N.A.

Upper/lower flammability or explosive limits: 7.0% - 0.9% Vol. (Xylene)

N.D.

N.D.

Vapour density: > 1
Flash point: < 23 °C
Evaporation rate: N.D.
Vapour pressure: N.D. (20 °C)
Relative density: 0.980 - 1.000

Solubility in oil: partial Partition coefficient (n-octanol/water): Auto-ignition temperature: > 300 °C Decomposition temperature: N.D. °C Viscosity: N.D. Miscibility: N.D. Fat Solubility: N.D.

Conductivity: N.D. Substance Groups relevant properties N.A.

#### 10. STABILITY AND REACTIVITY

Reactivity

It may generate dangerous reactions (See subsections below)

Chemical stability

Solubility in water:

It may generate dangerous reactions (See subsections below)

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Possibility of hazardous reactions

It may catch fire on contact with oxidising mineral acids, and powerful oxidising agents.

Conditions to avoid

Avoid accumulating electrostatic charge.

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:

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a) acute toxicity

Not classified

No data available for the product

b) skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

c) serious eye damage/irritation

The product is classified: Eye Irrit. 2A H319

d) respiratory or skin sensitisation

Not classified

No data available for the product

e) germ cell mutagenicity

Not classified

No data available for the product

f) carcinogenicity

Not classified

No data available for the product

g) reproductive toxicity

The product is classified: Repr. 2 H361

h) STOT-single exposure

The product is classified: STOT SE 3 H335

i) STOT-repeated exposure

The product is classified: STOT RE 2 H373

j) aspiration hazard

Not classified

No data available for the product

Toxicological information of the main substances found in the product:

xylene [4] - CAS: 1330-20-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3523 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 6.7 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit = 1100 mg/kg

ethylbenzene - CAS: 100-41-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3500 mg/kg

Test: LD50 - Route: Inhalation - Species: Rat = 17.2 mg/l - Duration: 1h

i) STOT-repeated exposure:

Test: NOAEC - Route: Inhalation - Species: Rat = 0.5 mg/l - Notes: Ototoxicity n-butyl acetate - CAS: 123-86-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 10760 mg/kg - Source: OECD 423

Test: LC50 - Route: Inhalation - Species: Rat > 21 mg/l - Duration: 4h - Source: OECD

403

Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg - Source: OECD 402

isobutyl acetate [2] - CAS: 110-19-0

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```
a) acute toxicity:
      Test: LD50 - Route: Oral - Species: Rat = 13.4 g/kg - Source: OCSE 401
      Test: LD50 - Route: Oral - Species: Rabbit = 4.76 g/kg
      Test: LC50 - Route: Inhalation - Species: Rat > 23.4 mg/l - Duration: 4h - Source: OCSE
      Test: LD50 - Route: Skin - Species: Rabbit > 17.4 g/kg - Source: OCSE 402
2-methoxy-1-methylethyl acetate - CAS: 108-65-6
a) acute toxicity:
      Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
      Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
      Test: LC50 - Route: Inhalation - Species: Rat > 23.5 mg/l - Duration: 4h
toluene - CAS: 108-88-3
a) acute toxicity:
      Test: LD50 - Route: Oral - Species: Rat = 5000 mg/kg
      Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
      Test: LC50 - Route: Inhalation - Species: Rat = 25.7 mg/l - Duration: 4h - Source: OECD
      403
b) skin corrosion/irritation:
      Test: Skin Irritant - Route: Skin - Species: Rabbit = 500 mg/kg - Source: OECD 404 -
      Notes: 24h
ethyl acetate - CAS: 141-78-6
a) acute toxicity:
      Test: LD50 - Route: Oral - Species: Rat = 4934 mg/kg - Source: OCSE 401
      Test: LD50 - Route: Skin - Species: Rabbit > 20000 mg/kg
octamethylcyclotetrasiloxane (D4) - CAS: 556-67-2
a) acute toxicity:
      Test: LD50 - Route: Oral - Species: Rat > 4800 mg/kg
      Test: LC50 - Route: Inhalation - Species: Rat = 12.17 mg/l - Duration: 4h
      Test: LD50 - Route: Skin - Species: Rabbit = 2.5 mg/kg
xylene [4] - CAS: 1330-20-7
      Observations on human subjects.
      Effects following acute exposure:dermatitis, eczema, irritation to the eyes and to the
      respiratory tract dizziness, headache, nausea, incoordination, excitability, narcosis,
      anaemia, and paraesthesia of the hands and feet.
n-butyl acetate - CAS: 123-86-4
      The vapours can cause headache and nausea. As a liquid it can irritate the eyes and
      cause conjunctivitis, it can irritate the skin and cause dermatitis and, if swallowed, causes
      inebriation, hallucinations and sedation.
      Symptoms of illness at 500 ppm. Serious toxic effects at 2.000 ppm for 60 min.
toluene - CAS: 108-88-3
      Effects following acute exposure:
      At 200 ppm: mild but definite decrease in co-ordination and in reaction time, fatigue,
      confusion, paraesthesia of the skin; the fatigue lasted over a number of hours together
      with mild insomnia.
      At 400 ppm: worsening of symptoms and mental confusion.
ethyl acetate - CAS: 141-78-6
```

The product is extremely volatile and provokes for inhalation, irritation to respiratories tracts. Acute exposition can cause depression of central nervous system whit effects such as drowsiness, reflex loss, narcosis.

```
Substance(s) listed on the NTP report on Carcinogens:
     None.
Substance(s) listed on the IARC Monographs:
```

xylene [4] - Group 3 ethylbenzene - Group 2B toluene - Group 3.

Substance(s) listed as OSHA Carcinogen(s):

None.

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Substance(s) listed as NIOSH Carcinogen(s): None.

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12. ECOLOGICAL INFORMATION
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```
Ecotoxicity
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Adopt good working practices, so that the product is not released into the environment.

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The product is classified: Aquatic Chronic 3 - H412

xylene [4] - CAS: 1330-20-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 2.6 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae = 2.2 mg/l - Duration h: 72 - Notes: OECD TG 201 Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 24 - Notes: OECD TG 202

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish > 1.3 mg/l - Notes: 56d Endpoint: NOEC - Species: Daphnia = 1.57 mg/l - Notes: 21d

ethylbenzene - CAS: 100-41-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 1.8 mg/l - Duration h: 48 Endpoint: EC50 - Species: Algae = 3.6 mg/l - Duration h: 96 Endpoint: LC50 - Species: Fish = 4.2 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 0.96 mg/l - Notes: 7 day

Endpoint: NOEC - Species: Algae = 3.4 mg/l - Duration h: 96

n-butyl acetate - CAS: 123-86-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 18 mg/l - Duration h: 96 - Notes: OECD 203

Endpoint: EC50 - Species: Daphnia = 44 mg/l - Duration h: 48 Endpoint: EC50 - Species: Algae = 674 mg/l - Duration h: 72

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae = 200 mg/l - Duration h: 72

isobutyl acetate [2] - CAS: 110-19-0

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 370 mg/l - Duration h: 72 - Notes: OCSE 201 Endpoint: EC50 - Species: Daphnia = 24.6 mg/l - Duration h: 48 - Notes: OCSE 202 Endpoint: LC50 - Species: Fish = 16.6 mg/l - Duration h: 96 - Notes: OCSE 203

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 23.2 mg/l - Notes: OCSE 201 (21d)

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 96 - Notes: OECD 201 Endpoint: LC50 - Species: Fish = 134 mg/l - Duration h: 96 - Notes: OECD 203 Endpoint: LC50 - Species: Daphnia = 408 mg/l - Duration h: 48

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 47.5 mg/l - Notes: 14d OECD 204 Endpoint: NOEC - Species: Daphnia > 100 mg/l - Notes: 21d OECD 211

toluene - CAS: 108-88-3

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 12.5 mg/l - Duration h: 72 Endpoint: EC50 - Species: Daphnia = 3.78 mg/l - Duration h: 48 Endpoint: LC50 - Species: Fish = 5.5 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae = 10 mg/l - Duration h: 72 Endpoint: NOEC - Species: Daphnia = 0.74 mg/l - Notes: 7d Endpoint: NOEC - Species: Fish = 1.39 mg/l - Notes: 40d

ethyl acetate - CAS: 141-78-6

a) Aquatic acute toxicity:

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Endpoint: LC50 - Species: Algae > 100 mg/l - Duration h: 72 Endpoint: EC50 - Species: Daphnia = 165 mg/l - Duration h: 48 Endpoint: LC50 - Species: Fish = 230 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 2.4 mg/l - Notes: 21d

Persistence and degradability xylene [4] - CAS: 1330-20-7

Biodegradability: Readily biodegradable

ethylbenzene - CAS: 100-41-4

Biodegradability: Readily biodegradable - Duration h: 28 days - %: 70-80

n-butyl acetate - CAS: 123-86-4

Biodegradability: Readily biodegradable - Duration h: 28 days - %: 83

isobutyl acetate [2] - CAS: 110-19-0

Biodegradability: Readily biodegradable 2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Biodegradability: Readily biodegradable - Duration h: 28 days - %: 83 - Notes: OECD

301F

toluene - CAS: 108-88-3

Biodegradability: Readily biodegradable

ethyl acetate - CAS: 141-78-6

Biodegradability: Readily biodegradable - Duration h: 28 days - %: 70

Decamethylcyclopentasiloxane (D5) - CAS: 541-02-6

Biodegradability: Non-readily biodegradable - Duration h: 28 days - %: 0 - Notes: OECD

310

Dodecamethylcyclohexasiloxane (D6) - CAS: 540-97-6

Biodegradability: Non-readily biodegradable - Duration h: 28 days - %: 4.47 - Notes:

**OECD 310** 

octamethylcyclotetrasiloxane (D4) - CAS: 556-67-2

Biodegradability: Non-readily biodegradable - Duration h: 28 days - %: 3.7 - Notes: OECD

310

Bioaccumulative potential

Decamethylcyclopentasiloxane (D5) - CAS: 541-02-6

Bioaccumulation: Bioaccumulative

Dodecamethylcyclohexasiloxane (D6) - CAS: 540-97-6

Bioaccumulation: Bioaccumulative

octamethylcyclotetrasiloxane (D4) - CAS: 556-67-2

Bioaccumulation: Bioaccumulative

Mobility in soil

Ň.A.

Other adverse effects

None

#### 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: 1263

DOT number: UN1263

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IATA-UN Number: 1263 IMDG-UN Number: 1263

UN proper shipping name

ADR-Shipping Name: PAINT

DOT-Shipping Name: Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base or Paint related material including paint thinning,

drying, removing, or reducing compound IATA-Shipping Name: PAINT IMDG-Shipping Name: PAINT

Transport hazard class(es)

ADR-Class: 3

DOT Hazard Class: 3

ADR - Hazard identification number: 33

IATA-Class: 3 IATA-Label: 3 IMDG-Class: 3 IMDG-Class: 3

Packing group

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

Environmental hazards

ADR-Enviromental 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

Rail (RID):

DOT Special provisions: 149, 367, 383, B52, B131, IB2, T4, TP1, TP8, TP28

ADR-Subsidiary hazards:

ADR-S.P.: 163 367 640D 650

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

IATA-Passenger Aircraft: 353
IATA-Subsidiary hazards: IATA-Cargo Aircraft: 364

 IATA-S.P.:
 A3 A72 A192

 IATA-ERG:
 3L

 IMDG-EmS:
 F-E , S-E

IMDG-Subsidiary hazards:

IMDG-Stowage and handling: Category A

IMDG-Segregation: -

#### 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:

xylene [4] is listed in TSCA Section 8b

ethylbenzene is listed in TSCA Section 8b, Section 8d HSDR

n-butyl acetate is listed in TSCA Section 8b isobutyl acetate [2] is listed in TSCA Section 8b

2-methoxy-1-methylethyl acetate is listed in TSCA Section 8a - PAIR, Section 8b, Section

8d HSDR

Polymeric Alkoxylate is listed in TSCA Section 8b

toluene is listed in TSCA Section 8b, Section 8d HSDR, Section 8a - CAIR

ethyl acetate is listed in TSCA Section 8b

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Decamethylcyclopentasiloxane (D5) is listed in TSCA Section 8a - PAIR, Section 8b, Section 8d HSDR

Dodecamethylcyclohexasiloxane (D6) is listed in TSCA Section 8a - PAIR, Section 8b, Section 8d HSDR

octamethylcyclotetrasiloxane (D4) is listed in TSCA Section 12b, Section 4 Test, Section 8a - PAIR, Section 8b, Section 8d HSDR.

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances: no substances listed.

Section 304 – Hazardous substances: xylene [4], ethylbenzene, n-butyl acetate, isobutyl acetate [2], toluene, ethyl acetate.

Section 313 – Toxic chemical list: xylene [4], ethylbenzene, toluene.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: xylene [4] - Reportable quantity: 100 pounds

ethylbenzene - Reportable quantity: 1000 pounds

n-butyl acetate - Reportable quantity: 5000 pounds

isobutyl acetate [2] - Reportable quantity: 5000 pounds

toluene - Reportable quantity: 1000 pounds

ethyl acetate - Reportable quantity: 5000 pounds.

Reportable quantity for mixture: 362.4698697 pounds.

CAA - Clean Air Act

CAA listed substances:

xylene [4] is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON >= 25% - < 30%

ethylbenzene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON >= 5% - < 7%

n-butyl acetate is listed in CAA Section 111 >= 5% - < 7%

isobutyl acetate [2] is listed in CAA Section 111 >= 3% - < 5%

toluene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON >= 1% - < 2.5%

ethyl acetate is listed in CAA Section 111 >= 1% - < 2.5%.

CWA - Clean Water Act

CWA listed substances:

xylene [4] is listed in CWA Section 304, Section 311

ethylbenzene is listed in CWA Section 304, Section 307, Section 311, CWA Priority Pollutants

n-butyl acetate is listed in CWA Section 304, Section 311

isobutyl acetate [2] is listed in CWA Section 311

toluene is listed in CWA Section 304, Section 307, Section 311, CWA Priority Pollutants ethyl acetate is listed in CWA Section 304.

### USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

ethylbenzene - Listed as carcinogen

toluene - Listed as reproductive toxicant.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

xylene [4]

ethylbenzene

n-butyl acetate

isobutyl acetate [2]

toluene

ethyl acetate.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

xylene [4]

ethylbenzene

n-butyl acetate

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isobutyl acetate [2]

toluene

ethyl acetate.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

xylene [4] ethylbenzene

n-butyl acetate isobutyl acetate [2]

toluene ethyl acetate.

Volatile Organic compounds - VOCs = 48.14 % Volatile Organic compounds - VOCs = 481.43 g/l Volatile CMR substances = 0.00 % Organic Carbon - C = 0.40

### **16. OTHER INFORMATION**

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.

H412 Harmful to aquatic life with long lasting effects.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.

H413 May cause long lasting harmful effects to aquatic life.

Safety Data Sheet dated 9/16/2022, version 2 Sections modified from the previous revision:

- 2. HAZARD(S) IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION

SECTION 14: Transport information

15. REGULATORY INFORMATION

### 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.

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

CAS: Chemical Abstracts Service (division of the American Chemical

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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