

Safety Data Sheet

LVM105 IDROSEAL 105 - Fondo trasp.1kuniversale - Clear 1k universal sealer

Safety Data Sheet dated 3/24/2020, version 1

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: IDROSEAL 105 - Fondo trasp.1kuniversale - Clear 1k universal sealer

Other means of identification:

Trade code: LVM105

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:

SIVAM Coatings S.r.l - Via Monviso, 10 - 20008 BAREGGIO (MI) - Tel. +39 02 903041

Importer:

Richelieu America Ltd., 237 N River Rd Suite 2, Mt. Clemens MI 48043 USA 48043-1920

Tel: 1-800-619-5446

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

Distributor:

Richelieu America Ltd., 237 N River Rd Suite 2, Mt. Clemens MI 48043 USA 48043-1920

Tel: 1-800-619-5446

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:

SIVAM Coatings S.r.l - Tel. +39 02- 903041

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

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Label elements

The product is not classified as hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

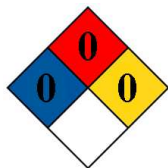
None.

Additional classification information

NFPA rating:

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HMIS rating:

HEALTH	/	0
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

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

Qty	Name	Ident. Number	Classification
>= 0.1% - < 0.25%	ammonia ...%	Index number: 007-001-01-2 CAS: 1336-21-6 EC: 215-647-6 REACH No.: 01-2119982985-14	<ul style="list-style-type: none"> ⚠ A.2/1B Skin Corr. 1B H314 ⚠ A.8/3 STOT SE 3 H335 ⚠ US-HAE/A1 Aquatic Acute 1 H400 Specific Concentration Limits: C >= 5%: STOT SE 3 H335
11 ppm	Dodecamethylcyclohexasiloxane (D6)	CAS: 540-97-6 EC: 208-762-8 REACH No.: 01-2119517435-42	The product is not classified as hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
11 ppm	Decamethylcyclopentasiloxane (D5)	CAS: 541-02-06 EC: 208-764-9 REACH No.: 01-2119511367-43	The product is not classified as hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
11 ppm	octamethylcyclotetrasiloxane (D4)	Index number: 014-018-00-1 CAS: 556-67-2 EC: 209-136-7 REACH No.: 01-2119529238-36	<ul style="list-style-type: none"> ⚠ B.6/3 Flam. Liq. 3 H226 ⚠ A.7/2 Repr. 2 H361 US-HAE/C4 Aquatic Chronic 4 H413

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9 ppm	mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (CAS 26172-55-4 + CAS 2682-20-4)	Index number: 613-167-00-5 CAS: 55965-84-9 REACH No.: 01-2120764691-48	<ul style="list-style-type: none"> ⚠ A.2/1B Skin Corr. 1B H314 ⚠ A.3/1 Eye Dam. 1 H318 ⚠ A.4.2/1 Skin Sens. 1 H317 ⚠ US-HAE/A1 Aquatic Acute 1 H400 ⚠ US-HAE/C1 Aquatic Chronic 1 H410 ⚠ A.1/3/Oral Acute Tox. 3 H301 ⚠ A.1/3/Dermal Acute Tox. 3 H311 ⚠ A.1/2/Inhal Acute Tox. 2 H330 <p>Specific Concentration Limits: C >= 0,6%: Skin Corr. 1B H314 0,06% <= C < 0.6%: Skin Irrit. 2 H315 0,06% <= C < 0.6%: Eye Irrit. 2A H319 C >= 0,0015%: Skin Sens. 1 H317</p>
630 ppb	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	Index number: 613-088-00-6 CAS: 2634-33-5 EC: 220-120-9 REACH No.: 01-2120761540-60	<ul style="list-style-type: none"> ⚠ A.1/4/Oral Acute Tox. 4 H302 ⚠ A.2/2 Skin Irrit. 2 H315 ⚠ A.3/1 Eye Dam. 1 H318 ⚠ A.4.2/1 Skin Sens. 1 H317 ⚠ US-HAE/A1 Aquatic Acute 1 H400 ⚠ US-HAE/C2 Aquatic Chronic 2 H411 <p>Specific Concentration Limits: C >= 0,05%: Skin Sens. 1 H317</p>
349 ppb	2-methyl-2H-isothiazol-3-one	CAS: 2682-20-4 EC: 220-239-6 REACH No.: 01-2120764690-50	<ul style="list-style-type: none"> ⚠ A.1/2/Inhal Acute Tox. 2 H330 ⚠ A.1/3/Dermal Acute Tox. 3 H311 ⚠ A.1/3/Oral Acute Tox. 3 H301 ⚠ A.2/1B Skin Corr. 1B H314 ⚠ A.4.2/1A Skin Sens. 1A H317 ⚠ US-HAE/A1 Aquatic Acute 1 H400 ⚠ US-HAE/C1 Aquatic Chronic 1 H410 <p>Specific Concentration Limits: C >= 0,0015%: Skin Sens. 1 H317</p>

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Wash with plenty of water and soap.

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 under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

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

Treatment:

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None

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

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.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 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.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Do not eat or drink while working.

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

ammonia ...% - CAS: 1336-21-6

ACGIH - TWA: 18 mg/m³, 25 ppm - STEL: 27 mg/m³, 35 ppm

Decamethylcyclopentasiloxane (D5) - CAS: 541-02-06

ACGIH - TWA(8h): 10 ppm

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

ACGIH - TWA(8h): 123 mg/m³, 10 ppm

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (CAS 26172-55-4 + CAS 2682-20-4) - CAS:

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55965-84-9

TLV TWA - 0,05 mg/m³

TLV STEL - 0,23 mg/m³

DNEL Exposure Limit Values

ammonia ...% - CAS: 1336-21-6

Worker Industry: 6.8 mg/kg - Worker Professional: 6.8 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Industry: 6.8 mg/kg - Worker Professional: 6.8 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 47.6 mg/m³ - Worker Professional: 47.6 mg/m³ - Consumer: 23.8 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 47.6 mg/m³ - Worker Professional: 47.6 mg/m³ - Consumer: 23.8 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 36 mg/m³ - Worker Professional: 36 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 14 mg/m³ - Worker Professional: 14 mg/m³ - Consumer: 2.8 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 6.8 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

Consumer: 6.8 mg/kg - Exposure: Human Oral - Frequency: Long 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

ammonia ...% - CAS: 1336-21-6

Target: Fresh Water - Value: 0.0011 mg/l

Target: Marine water - Value: 0.0011 mg/l

Target: Intermittent emission - Value: 0.0068 mg/l

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

Target: Fresh Water - Value: 0.00044 mg/l

Target: Marine water - Value: 0.00044 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: 100 mg/kg

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

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Eye glasses with side protection. (EN166)

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Suitable gloves type:(EN374)

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour: opalescent fluid

Odour: typical

Odour threshold: N.D.

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pH:	8.5
Melting point / freezing point:	N.D. °C
Initial boiling point and boiling range:	> 100 °C
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.D.
Vapour density:	> 1
Flash point:	N.A. °C
Evaporation rate:	N.D.
Vapour pressure:	N.D. (20 °C)
Relative density:	1.020 - 1.040
Solubility in water:	miscible
Solubility in oil:	partial
Partition coefficient (n-octanol/water):	N.D.
Auto-ignition temperature:	N.D. °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

Stable under normal conditions

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth), nitrides, and powerful reducing agents.

It may catch fire on contact with oxidising mineral acids, elementary metals (alkalis and alkaline earth), nitrides, organic peroxides and hydroperoxides, oxidising agents, and reducing agents.

Conditions to avoid

Stable under normal conditions.

Incompatible materials

None in particular.

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

Not classified

No data available for the product

c) serious eye damage/irritation

Not classified

No data available for the product

d) respiratory or skin sensitisation

Not classified

No data available for the product

e) germ cell mutagenicity

Not classified

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- No data available for the product
- f) carcinogenicity
Not classified
No data available for the product
 - g) reproductive toxicity
Not classified
No data available for the product
 - h) STOT-single exposure
Not classified
No data available for the product
 - i) STOT-repeated exposure
Not classified
No data available for the product
 - j) aspiration hazard
Not classified
No data available for the product

Toxicological information of the main substances found in the product:

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

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (CAS 26172-55-4 + CAS 2682-20-4) - CAS: 55965-84-9

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 0.31 mg/l - Duration: 4h

Test: LC50 - Route: Oral - Species: Rat = 53 mg/kg

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 670 mg/kg

Test: LD50 - Route: Skin - Species: Rat = 4115 mg/kg

2-methyl-2H-isothiazol-3-one - CAS: 2682-20-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 285 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.

IDROSEAL 105 - Fondo trasp.1kuniversale - Clear 1k universal sealer

Not classified for environmental hazards

No data available for the product

ammonia ...% - CAS: 1336-21-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 24 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 0.53 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

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Endpoint: NOEC - Species: Daphnia = 0.79 mg/l - Duration h: 96
 Endpoint: NOEC - Species: Fish = 0.022 mg/l - Notes: 73d
 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (CAS 26172-55-4 + CAS 2682-20-4) - CAS: 55965-84-9

a) Aquatic acute toxicity:
 Endpoint: EC50 - Species: Algae = 0.018 mg/l - Duration h: 72
 Endpoint: EC50 - Species: Daphnia = 0.126 mg/l - Duration h: 48
 Endpoint: LC50 - Species: Fish = 0.188 mg/l - Duration h: 96

b) Aquatic chronic toxicity:
 Endpoint: NOEC - Species: Algae = 0.0012 mg/l - Duration h: 72 - Notes: OECD 201
 Endpoint: NOEC - Species: Daphnia = 0.004 mg/l - Notes: 21d - OECD 211
 Endpoint: NOEC - Species: Fish = 0.098 mg/l - Notes: 28d - OECD 210

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5

a) Aquatic acute toxicity:
 Endpoint: LC50 - Species: Fish = 2.18 mg/l - Duration h: 96
 Endpoint: EC50 - Species: Daphnia = 2.94 mg/l - Duration h: 48
 Endpoint: EC50 - Species: Algae = 0.11 mg/l - Duration h: 72

b) Aquatic chronic toxicity:
 Endpoint: NOEC - Species: Daphnia = 1.2 mg/l - Notes: 21 d
 Endpoint: NOEC - Species: Fish = 0.21 mg/l - Notes: 28 d

2-methyl-2H-isothiazol-3-one - CAS: 2682-20-4

a) Aquatic acute toxicity:
 Endpoint: LC50 - Species: Fish = 0.3 mg/l - Duration h: 96
 Endpoint: EC50 - Species: Daphnia = 0.93 mg/l - Duration h: 48

Persistence and degradability

octamethylcyclotetrasiloxane (D4) - CAS: 556-67-2
 Biodegradability: Non-readily biodegradable - Duration h: 28 days - %: 3.7 - Notes: OECD 310

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5
 Biodegradability: Readily biodegradable - Test: CO2 production - Duration h: 28 days - %: 100 - Notes: OECD 301B

Bioaccumulative potential

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

Decamethylcyclopentasiloxane (D5) - CAS: 541-02-06
 Bioaccumulation: Bioaccumulative

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

Mobility in soil
 N.A.

Other adverse effects
 None

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

UN number

Not classified as dangerous in the meaning of transport regulations.

UN proper shipping name

N.A.

Transport hazard class(es)

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N.A.
Packing group
N.A.
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
N.A.

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:

ammonia ...% is listed in TSCA Section 8b

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

Decamethylcyclopentasiloxane (D5) 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

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (CAS 26172-55-4 + CAS 2682-20-4) is listed in TSCA Section 12b, Section 8b

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one is listed in TSCA Section 8b

2-methyl-2H-isothiazol-3-one is listed in TSCA Section 12b, Section 8b.

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.

Section 304 – Hazardous substances: ammonia ...%.

Section 313 – Toxic chemical list: ammonia ...%.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: ammonia ...% - Reportable quantity: 1000 pounds.

Reportable quantity for mixture: 476190.4762 pounds.

CAA - Clean Air Act

CAA listed substances:

None.

CWA - Clean Water Act

CWA listed substances:

ammonia ...% is listed in CWA Section 311.

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:

ammonia ...%.

New Jersey Right to know

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

ammonia ...%.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

ammonia ...%.

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Volatile Organic compounds - VOCs = 3.74 %
Volatile Organic compounds - VOCs = 38.93 g/l
Volatile CMR substances = 0.00 %
Organic Carbon - C = 0.02

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

- H314 Causes severe skin burns and eye damage.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.
- H226 Flammable liquid and vapour.
- H361 Suspected of damaging fertility or the unborn child.
- H413 May cause long lasting harmful effects to aquatic life.
- H318 Causes serious eye damage.
- H317 May cause an allergic skin reaction.
- H410 Very toxic to aquatic life with long lasting effects.
- H301 Toxic if swallowed.
- H311 Toxic in contact with skin.
- H330 Fatal if inhaled.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H302 Harmful if swallowed.
- H411 Toxic to aquatic life with long lasting effects.

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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.
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.
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.

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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