

## Safety Data Sheet

# LWM056 IDROFIX 5 Polivalente acqua interno - Clear WB self-seal interior

Safety Data Sheet dated 12/12/2019, version 1

## 1. IDENTIFICATION

### Product identifier

Mixture identification:

Trade name: IDROFIX 5 Polivalente acqua interno - Clear WB self-seal interior

Other means of identification:

Trade code: LWM056

### Recommended use of the chemical and restrictions on use

Recommended use:

Industrial and professional uses (SU3 - SU22)

Water-based paint

### 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 - 20010 BAREGGIO (MI) - Tel. +39 02 90304.1

Importer:

Richelieu America Ltd, 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 Ltd, 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 90304.1 (Monday - Friday 8.00 - 15.00)

Poison Centre - Ospedale di Niguarda - 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 dangerous 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:

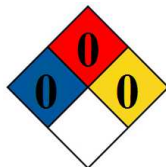
None

### Ingredient(s) with unknown acute toxicity:

None.

### Additional classification information

NFPA rating:



HMIS rating:

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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"> <li>⚠ A.2/1B Skin Corr. 1B H314</li> <li>⚠ A.8/3 STOT SE 3 H335</li> <li>⚠ US-HAE/A1 Aquatic Acute 1 H400</li> </ul>
40 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"> <li>⚠ B.6/3 Flam. Liq. 3 H226</li> <li>⚠ A.7/2 Repr. 2 H361</li> <li>US-HAE/C4 Aquatic Chronic 4 H413</li> </ul>
40 ppm	Decamethylcyclopentasiloxane (D5)	CAS: 541-02-6 EC: 208-764-9 REACH No.: 01-2119511367-43	The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
36 ppm	Dodecamethylcyclohexasiloxane (D6)	CAS: 540-97-6 EC: 208-762-8 REACH No.: 01-2119517435-42	The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
5 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	<ul style="list-style-type: none"> <li>⚠ A.2/1B Skin Corr. 1B H314</li> <li>⚠ A.3/1 Eye Dam. 1 H318</li> <li>⚠ A.4.2/1 Skin Sens. 1 H317</li> <li>⚠ US-HAE/A1 Aquatic Acute 1 H400</li> <li>⚠ US-HAE/C1 Aquatic Chronic 1 H410</li> <li>⚠ A.1/3/Oral Acute Tox. 3 H301</li> <li>⚠ A.1/3/Dermal Acute Tox. 3 H311</li> <li>⚠ A.1/2/Inhal Acute Tox. 2 H330</li> </ul>
2 ppm	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"> <li>⚠ A.1/4/Oral Acute Tox. 4 H302</li> <li>⚠ A.2/2 Skin Irrit. 2 H315</li> <li>⚠ A.3/1 Eye Dam. 1 H318</li> <li>⚠ A.4.2/1 Skin Sens. 1 H317</li> <li>⚠ US-HAE/A1 Aquatic Acute 1 H400</li> <li>⚠ US-HAE/C2 Aquatic Chronic 2 H411</li> </ul>
367 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"> <li>⚠ A.1/2/Inhal Acute Tox. 2 H330</li> <li>⚠ A.1/3/Dermal Acute Tox. 3 H311</li> <li>⚠ A.1/3/Oral Acute Tox. 3 H301</li> <li>⚠ A.2/1B Skin Corr. 1B H314</li> <li>⚠ A.4.2/1A Skin Sens. 1A H317</li> <li>⚠ US-HAE/A1 Aquatic Acute 1 H400</li> <li>⚠ US-HAE/C1 Aquatic Chronic 1 H410</li> </ul>

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### 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:

None

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### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water.

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

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

None

Explosive properties:

N.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.

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### 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.

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### 7. HANDLING AND STORAGE

Precautions for safe handling

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

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

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.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

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

ACGIH - TWA: 18 mg/m<sup>3</sup>, 25 ppm - STEL: 27 mg/m<sup>3</sup>, 35 ppm

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

ACGIH - TWA(8h): 123 mg/m<sup>3</sup>, 10 ppm

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

ACGIH - TWA(8h): 10 ppm

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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

TLV TWA - 0,05 mg/m<sup>3</sup>

TLV STEL - 0,23 mg/m<sup>3</sup>

#### 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/m<sup>3</sup> - Worker Professional: 47.6 mg/m<sup>3</sup> - Consumer: 23.8 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 47.6 mg/m<sup>3</sup> - Worker Professional: 47.6 mg/m<sup>3</sup> - Consumer: 23.8 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 36 mg/m<sup>3</sup> - Worker Professional: 36 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 14 mg/m<sup>3</sup> - Worker Professional: 14 mg/m<sup>3</sup> - Consumer: 2.8 mg/m<sup>3</sup> - 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/m<sup>3</sup> - Worker Professional: 73 mg/m<sup>3</sup> - Consumer: 13 mg/m<sup>3</sup> - 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: 0.000044 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: 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:

Chemical resistant gloves (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.
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:	1.010 - 1.030
Solubility in water:	miscible
Solubility in oil:	partial

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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	
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:

IDROFIX 5 Polivalente acqua interno - Clear WB self-seal interior

- 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  
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

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- 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.

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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:

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

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

Bioaccumulation: Bioaccumulative

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

Bioaccumulation: Bioaccumulative

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

Bioaccumulation: Bioaccumulative

### Mobility in soil

N.A.

### Other adverse effects

None

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### 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)

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

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

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

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: 793650.7937 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 ...%.

Volatile Organic compounds - VOCs = 4.01 %

Volatile Organic compounds - VOCs = 41.28 g/l

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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.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H411 Toxic to aquatic life with long lasting effects.

Safety Data Sheet dated 12/12/2019, version 1

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.
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