

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

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

### 1. Identification

**GHS** Product identifier

Mixture identification:

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

sealer

Other means of identification

Trade code: LVM105 Recommended use and restrictions on use

Recommended use: IS- Industrial use

PW - Professional use

Varnish for wood

Supplier's details

Company:

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

Importer:

Quincaillerie Richelieu Ltée/Richelieu Hardware Ltd.

7900 Henri-Bourassa Blvd. W.

Montreal, Quebec, Canada, H4S 1V4

Tel:+1-800-361-6000

Emergency phone number for Canada: Canutec (613) 996-6666

Distributor:

Quincaillerie Richelieu Ltée/Richelieu Hardware Ltd.

7900 Henri-Bourassa Blvd. W.

Montreal, Quebec, Canada, H4S 1V4

Tel:+1-800-361-6000

Emergency phone number for Canada: Canutec (613) 996-6666

Competent person responsible for the safety data sheet:

msds@sivam.it

Emergency phone number

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

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

### 2. Hazard identification

Classification of the hazardous product

The product is not classified as dangerous according to WHMIS 2015.

GHS label elements, including precautionary statements

The product is not classified as hazardous according to WHMIS 2015.

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special provisions

. None

Other hazards

None

Ingredient(s) with unknown acute toxicity

None.



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## 3. Composition/Information on ingredients Substances

Substance: N.A.

Mixtures

Hazardous components within the meaning of WHMIS 2015 and related classification:

Qty	Name	Ident. Number		Classification
>= 0.1% - < 1%	ammonia%	Index number: CAS: EC: REACH No.:	007-001-01-2 1336-21-6 215-647-6 01- 2119982985 -14	<ul> <li>A.2/1B Skin Corr. 1B H314</li> <li>A.8/3 STOT SE 3 H335</li> <li>CAN-HAE/A1 Aquatic Acute 1 H400</li> <li>Specific Concentration Limits:</li> <li>C &gt;= 5%: STOT SE 3 H335</li> </ul>
11 ppm	Dodecamethylcyclohex asiloxane (D6)	CAS: EC: REACH No.:	540-97-6 208-762-8 01- 2119517435 -42	The product is not classified as hazardous according to WHMIS 2015.
11 ppm	Decamethylcyclopentas iloxane (D5)	CAS: EC: REACH No.:	541-02-06 208-764-9 01- 2119511367 -43	The product is not classified as hazardous according to WHMIS 2015.
11 ppm	octamethylcyclotetrasilo xane (D4)	Index number: CAS: EC: REACH No.:	014-018-00-1 556-67-2 209-136-7 01- 2119529238 -36	<ul> <li>♦ B.6/3 Flam. Liq. 3 H226</li> <li>♦ A.7/2 Repr. 2 H361</li> <li>CAN-HAE/C4 Aquatic Chronic 4</li> <li>H413</li> </ul>
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: CAS: REACH No.:	55965-84-9	<ul> <li>♠ A.2/1B Skin Corr. 1B H314</li> <li>♠ A.4.2/1 Skin Sens. 1 H317</li> <li>♠ A.3/1 Eye Dam. 1 H318</li> <li>♠ CAN-HAE/A1 Aquatic Acute 1 H400</li> <li>♠ CAN-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 H301</li> <li>♠ A.1/2/Inhal Acute Tox. 2 H330</li> <li>Specific Concentration Limits:</li> <li>C &gt;= 0,0015%: Skin Sens. 1 H317</li> <li>0,06% &lt;= C &lt; 0.6%: Skin Irrit. 2</li> <li>H315</li> <li>C &gt;= 0,6%: Skin Corr. 1B H314</li> </ul>
630 ppb	1,2-benzisothiazol- 3(2H)-one; 1,2- benzisothiazolin-3-one	Index number: CAS: EC:	613-088-00-6 2634-33-5 220-120-9	<ul> <li>♠ A.1/4/Oral Acute Tox. 4 H302</li> <li>♠ A.2/2 Skin Irrit. 2 H315</li> <li>♠ A.4.2/1 Skin Sens. 1 H317</li> <li>♠ A.3/1 Eye Dam. 1 H318</li> </ul>



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		REACH No.:	01- 2120761540 -60	<ul> <li>◆ CAN-HAE/A1 Aquatic Acute 1 H400</li> <li>◆ CAN-HAE/C2 Aquatic Chronic 2 H411</li> <li>Specific Concentration Limits: C &gt;= 0,05%: Skin Sens. 1 H317</li> </ul>				
349 ppb	2-methyl-2H-isothiazol- 3-one	CAS: EC: REACH No.:	2682-20-4 220-239-6 01- 2120764690 -50	<ul> <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>♦ CAN-HAE/A1 Aquatic Acute 1 H400</li> <li>♦ CAN-HAE/C1 Aquatic Chronic 1 H410</li> <li>Specific Concentration Limits: C &gt;= 0,0015%: Skin Sens. 1 H317</li> </ul>				

The actual concentration of the components listed above is withheld as a trade secret.

The actual concentration of the components listed above is withheld as a trade secret.

#### 4. First-aid measures

Description of necessary first-aid 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, if necessary

Treatment:

None

### 5. Fire-fighting measures

Suitable and unsuitable extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the hazardous product

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.

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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 material 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:

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

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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: 0.000044 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, such as personal protective equipment (PPE)

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.
pH: 8.5
Melting point / freezing point: N.D. °C

Initial boiling point and boiling range: > 100 °C

Flash point:

Evaporation rate:

Solid/gas flammability:

N.A. °C

N.D.

N.D.

N.A.

Upper/lower flammability or explosive limits: N.D.

Vapour pressure: N.D. (20 °C)

Vapour density: > 1

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 N.D. °C

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Viscosity: N.D.

### 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:

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

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:

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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:
      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:
                  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
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Endpoint: EC50 - Species: Daphnia = 2.94 mg/l - Duration h: 48 Endpoint: EC50 - Species: Algae = 0.11 mg/l - Duration h: 72

Endpoint: NOEC - Species: Daphnia = 1.2 mg/l - Notes: 21 d

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b) Aquatic chronic toxicity:



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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

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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

Ń.A.

Other adverse effects

None

### 13. Disposal considerations

Safe handling and methods for disposal

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-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 in connection with transport or conveyance

N.A.

### 15. Regulatory information

Safety, health and environmental regulations specific for the product in question

This Safety Data Sheet has been prepared according to the Hazardous Products Regulations (HPR) - WHMIS 2015.

NPRI - National Pollutant Release Inventory

Substance(s) listed under NPRI:

None.

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

DSL inventory - Domestic substances list

All the components are listed in the DSL..

NDSL inventory - Not Domestic substances list

no substances listed

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.

#### USA - Federal regulations

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 ...%.

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:

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

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.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

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.

H302 Harmful if swallowed.

H411 Toxic to aquatic life with long lasting effects.

Safety Data Sheet dated 3/24/2020, 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.

Acute Toxicity Estimate ATE:

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).

International Civil Aviation Organization. ICAO:

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.

Lethal concentration, for 50 percent of test population. LC50:

LD50: Lethal dose, for 50 percent of test population.

National Fire Protection Association NFPA:

NIOSH: National Institute for Occupational Safety and Health

NTP: National Toxicology Program

Occupational Safety and Health Administration. OSHA:

PNEC: Predicted No Effect Concentration.

Regulation Concerning the International Transport of Dangerous Goods RID:

by Rail.

Short Term Exposure limit. STEL:

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STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWA: Time-weighted average