



Safety Data Sheet

SPRAY SEALANT PROTECTION XP-900

Safety Data Sheet dated 23/1/2025, version 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: SPRAY SEALANT PROTECTION XP-900

Trade code: 9.XP900

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use:

Protective wax specific for marine environment

Uses advised against:

All not indicated in the suggested uses.

1.3. Details of the supplier of the safety data sheet

Company:

RUPES SPA - Via Marconi 3A - Loc. Vermezzo 20071 Vermezzo con Zelo (MI) – Italy

RUPES SPA - Telefono n°+3902946941

Competent person responsible for the safety data sheet:

info_rupes@rupes.it

1.4. Emergency telephone number

For United States, Canada Puerto Rico and Virgin Island: 1-800-255-3924

For China: 400-120-0751

For Brazil: 0-800-591-6042

For India: 000-800-100-4086

For Mexico: 01-800-099-0731

For Europe and all the other countries: 001-813-248-0585

Country	Emergency number	Country	Emergency number
Austria	+43 01406 43 43 (24/7)	Ireland	+353 01 809 2566 (24/7)
Czech Republic	+420 224 919 293 (24/7)	Ireland	+353 01 809 2566 (24/7)
Germany	112	Malta	112
Belgium	+ 32 070 245 245 (24/7)	Poland	112
Denmark	+45 8212 1212	Latvia	+371 67042473 (24/7)/112
Greece	+0030 2107793777 (24/7)	Netherlands	+31 (0) 88 755 8000 (24/7)
Bulgaria	+359 2 9154 233 (24/7)	Portugal	+351 800 250 250 (24/7)
Sweden	112	Lithuania	+370 (85) 2362052 (24/7)
Hungary	+36 80 201 199 (24/7)	Norway	+47 22 59 13 00 (24/7)
Croatia	+3851 2348 342 (24/7)	Romania	+40 (0) 021318 3606 (24/7)
Finland	+ 358 0800 147 111 (24/7)	Luxembourg	+352 8002 5500 (24/7)
Iceland	+354 5432222 (24/7) - 112	Slovenia	112
Cyprus	1401 (24/7)	Slovakia	+421 2 5477 4166 (24/7)
France	+33 (0)1 45 42 59 59 (24/7)	Spain	+ 34 91 562 04 20
Estonia	+372 7943 794 (24/7); 16662 (National, 24/7)		
Switzerland	Tox Info Suisse: Tel. 145 (24/7)		



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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

P102 Keep out of reach of children.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

EUH210 Safety data sheet available on request.

Contains

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1): May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
$\geq 1\%$ - $< 2\%$	propan-2-ol; isopropyl alcohol; isopropanol	Index number: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7	2.6/2 Flam. Liq. 2 H225 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H336
13 ppm	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Index number: 613-167-00-5 CAS: 55965-84-9	3.1/2/Dermal Acute Tox. 2 H310 3.1/2/Inhal Acute Tox. 2 H330 3.1/3/Oral Acute Tox. 3 H301 3.2/1C Skin Corr. 1C H314 3.4.2/1A Skin Sens. 1A H317



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			<p> 4.1/A1 Aquatic Acute 1 H400 M=100.</p> <p> 4.1/C1 Aquatic Chronic 1 H410 M=100. EUH071</p> <p>Specific Concentration Limits: C >= 0,6%: Skin Corr. 1C H314 0,06% <= C < 0.6%: Skin Irrit. 2 H315 C >= 0,6%: Eye Dam. 1 H318 0,06% <= C < 0.6%: Eye Irrit. 2 H319 C >= 0,0015%: Skin Sens. 1A H317</p> <p>Acute Toxicity Estimate: ATE - Oral 66 mg/kg bw ATE - Dermal 5 mg/kg bw ATE - Inhalation (Dust/mist) 0,171 mg/l</p>
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SECTION 4: First aid measures

4.1. Description of 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.

4.2. Most important symptoms and effects, both acute and delayed

None

4.3. Indication of any immediate medical attention and special treatment needed

Treatment:

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water. CO2 or Dry chemical fire extinguisher. Foam fire extinguisher

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

5.3. Advice for firefighters



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Use suitable breathing apparatus .
Use fire fighter's clothing conforming to European standard EN469.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
 - Wear personal protection equipment.
 - Remove persons to safety.
 - See protective measures under point 7 and 8.
- 6.2. Environmental precautions
 - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
- 6.3. Methods and material for containment and cleaning up
 - For cleaning up:
 - Clear spills immediately
- 6.4. Reference to other sections
 - See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
 - Avoid contact with skin and eyes, inhalation of vapours and mists.
 - See also section 8 for recommended protective equipment.
 - Advice on general occupational hygiene:
 - Do not eat or drink while working.
 - Wash hands after use
- 7.2. Conditions for safe storage, including any incompatibilities
 - Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from: direct sunlight, heat and ignition sources
 - Keep away from food, drink and feed.
 - Incompatible materials:
 - None in particular.
 - Instructions as regards storage premises:
 - Cool and adequately ventilated.
- 7.3. Specific end use(s)
 - Protective wax specific for marine environment

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
 - propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
 - OEL Type: WEL - TWA(8h): 999 mg/m³, 400 ppm
 - OEL Type: WEL - STEL(15min): 1250 mg/m³, 500 ppm
 - OEL Type: ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair
 - DNEL Exposure Limit Values
 - propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
 - Consumer: 26 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects
 - Consumer: 319 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects



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Consumer: 89 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 888 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 500 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) - CAS: 55965-84-9

Worker Industry: 0.02 mg/m³ - Consumer: 0.02 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 0.04 mg/m³ - Consumer: 0.04 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Consumer: 0.09 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 0.11 mg/kg bw/day - Exposure: Human Oral - Frequency: Short Term, local effects

PNEC Exposure Limit Values

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Target: Soil (agricultural) - Value: 28 mg/kg

Target: Marine water - Value: 104.9 mg/l

Target: Marine water sediments - Value: 552 mg/kg

Target: Fresh Water - Value: 552 mg/kg

Target: Freshwater sediments - Value: 140.9 mg/kg

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) - CAS: 55965-84-9

Target: Fresh Water - Value: 0.0034 mg/l

Target: Marine water - Value: 0.0034 mg/l

Target: STP - Value: 0.23 mg/l

Target: Freshwater sediments - Value: 0.027 mg/kg

Target: Marine water sediments - Value: 0.027 mg/kg

Target: Soil (agricultural) - Value: 0.01 mg/kg

8.2. Exposure controls

Eye protection:

Not necessary for normal use

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

When handling with chemical substances, protective gloves must be worn with the CE-Label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances

Respiratory protection:

In case of inadequate ventilation wear respiratory protection

Mask with filter "P", white colour

Thermal Hazards:

None

Environmental exposure controls:

None



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Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method	Notes
Physical state:	Liquid	--	--
Colour:	Whitish	--	--
Odour:	characteristic	--	--
Melting point/freezing point:	<0°C	--	--
Boiling point or initial boiling point and boiling range:	>100 ° C	--	--
Flammability:	Non-flammable	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	>95 ° C	ASTM D3278	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	3.2	--	--
Kinematic viscosity:	5-8mm ² /s	ISO 2555	40°C
Solubility in water:	Soluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	0.996g/cm ³	ISO 2811	--
Relative vapour density:	N.A.	--	--

9.2. Other information

Properties	Value	Method	Notes
Flammable liquids:	The product does not sustain combustion	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known

10.2. Chemical stability

stable under normal conditions

10.3. Possibility of hazardous reactions

No dangerous reactions known

10.4. Conditions to avoid

Stable when stored as recommended. Refer to section 7

10.5. Incompatible materials

Strong acids. Strong bases
strong oxidizing agents

10.6. Hazardous decomposition products

None.



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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product:

N.A.

Adverse health effects

None in particular.

Toxicological information of the main substances found in the product:

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

a) acute toxicity:

Test: LC50 - Route: Oral - Species: Rat = 5.84 g/kg - Duration: 14D - Source: ECHA database

Test: LC50 - Route: Skin - Species: Rat = 10000 ppm - Duration: 6h

Test: LC50 - Route: Skin - Species: Rabbit = 16.4 ml/kg - Duration: 14D

b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin - Species: Rabbit Positive - Duration: 4h

c) serious eye damage/irritation:

Test: Eye Irritant - Route: ocular - Species: Rabbit Positive - Duration: 14D

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin - Species: Guinea pig Negative - Duration: 96h

e) germ cell mutagenicity:

Test: Genotoxicity - Species: Salmonella Typhimurium Negative - Duration: 48h

f) carcinogenicity:

Test: Carcinogenicity - Route: Inhalation - Species: Rat Negative

i) STOT-repeated exposure:

Test: R05 - Route: Inhalation - Species: Rat 5000 mg/l

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) - CAS: 55965-84-9

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit 5 mg/kg

ATE - Oral 66 mg/kg bw

ATE - Dermal 5 mg/kg bw

ATE - Inhalation (Dust/mist) 0,171 mg/l

Test: LD50 - Route: Oral - Species: Rat 66 mg/kg - Source: OECD 401

ATE - Oral 66 mg/kg bw

ATE - Dermal 5 mg/kg bw

ATE - Inhalation (Dust/mist) 0,171 mg/l

Test: LC50 - Route: Inhalation Mist - Species: Rat 0.171 mg/m³ - Duration: 4h - Source: OECD 403

ATE - Oral 66 mg/kg bw

ATE - Dermal 5 mg/kg bw

ATE - Inhalation (Dust/mist) 0,171 mg/l

If not differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:

a) acute toxicity;

b) skin corrosion/irritation;

c) serious eye damage/irritation;

d) respiratory or skin sensitisation;



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- e) germ cell mutagenicity;
 - f) carcinogenicity;
 - g) reproductive toxicity;
 - h) STOT-single exposure;
 - i) STOT-repeated exposure;
 - j) aspiration hazard.
- 11.2. Information on other hazards
- Endocrine disrupting properties:
No endocrine disruptor substances present in concentration $\geq 0.1\%$
- Other information:
None in particular.

SECTION 12: Ecological information

- 12.1. Toxicity
- Adopt good working practices, so that the product is not released into the environment.
propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
- a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Fish = 9640 mg/l - Duration h: 96
Endpoint: LC50 - Species: Daphnia > 10000 mg/l - Duration h: 24
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
- CAS: 55965-84-9
- a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Fish 0.19 mg/l - Duration h: 96 - Notes:
EPA OPP 72-1
Endpoint: EC50 - Species: Daphnia 0.16 mg/l - Duration h: 48 - Notes:
EPA OPP 72-1
- b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish 0.02 mg/l - Notes: 38d, OECD 210
Endpoint: NOEC - Species: Daphnia 0.1 mg/l - Notes: 21d, EPA OPP 72-4
- e) Plant toxicity:
Endpoint: EC50 - Species: Algae 0.037 mg/l - Duration h: 72 - Notes: OECD 201
Endpoint: EC10 - Species: Algae 0.004 mg/l - Duration h: 72 - Notes: OECD 201
- 12.2. Persistence and degradability
propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
Biodegradability: Readily biodegradable - Test: Oxygen consumption - Duration h: 5D
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
- CAS: 55965-84-9
Biodegradability: 20157.4 - Notes: Inerentemente degradabile
- 12.3. Bioaccumulative potential
N.A.
- 12.4. Mobility in soil
N.A.
- 12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
- 12.6. Endocrine disrupting properties
No endocrine disruptor substances present in concentration $\geq 0.1\%$
- 12.7. Other adverse effects
None



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SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

Additional disposal information:

Dispose in a safe manner in accordance with local/national regulations

SECTION 14: Transport information

14.1. UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

Marine pollutant: No

N.A.

14.6. Special precautions for user

N.A.

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 2020/878

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)



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Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2021/849 (ATP 17 CLP)

Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 40

Restrictions related to the substances contained:

Restriction 75

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H310 Fatal in contact with skin.

H330 Fatal if inhaled.

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH071 Corrosive to the respiratory tract.

H315 Causes skin irritation.

H318 Causes serious eye damage.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Acute Tox. 2	3.1/2/Dermal	Acute toxicity (dermal), Category 2
Acute Tox. 2	3.1/2/Inhal	Acute toxicity (inhalation), Category 2
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Skin Corr. 1C	3.2/1C	Skin corrosion, Category 1C
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3



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Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1

This mixture is not classified as hazardous on basis of test data for physical hazards and on basis of calculation method for health and environmental hazards

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold

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.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS 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.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
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.
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
WGK:	German Water Hazard Class.