

Safety Data Sheet

51-5060 ROSTCHUTZLACK BLAU LASIEREND

Safety Data Sheet dated 21/11/2016, version 23

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

- 1.1. Product identifier
Mixture identification:
Trade name: 51-5060 ROSTCHUTZLACK BLAU LASIEREND
Trade code: V0027
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
Metal paint for use in industrial applications
- 1.3. Details of the supplier of the safety data sheet
Company: Inver S.p.A. con Unico Socio
Registered address: Via di Corticella 205 - BOLOGNA
Telephone 051/6380411 - Fax 051/322000
- Laboratory and production: Via Marconi 10 - Minerbio (BO)
Telephone 051/6606811 - Fax 051/6604100
- Competent person responsible for the safety data sheet:
minerbio.regulatory@valspar.com
- 1.4. Emergency telephone number
Niguarda Hospital - Milano - Tel. 02/66101029
- UK National Poisons Information Service (NPIS)
Email: director.birmingham.unit@npis.org
Website: <http://www.npis.org/>
- Emergency Medical Information: 8 am-10 pm (7 days) contact National Poison Information Centre, Beaumont Hospital, Dublin 9. Tel 01 8092566

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
EC regulation criteria 1272/2008 (CLP):
- ⚠ Warning, Flam. Liq. 3, Flammable liquid and vapour.
 - ⚠ Warning, STOT SE 3, May cause respiratory irritation.
 - ⚠ Warning, STOT SE 3, May cause drowsiness or dizziness.
 - ⚠ Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.
- Adverse physicochemical, human health and environmental effects:
No other hazards

- 2.2. Label elements
Hazard pictograms:



- Warning
Hazard statements:
H226 Flammable liquid and vapour.

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H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273 Avoid release to the environment.
P312 Call a POISON CENTER/ doctor/if you feel unwell.
P370+P378 In case of fire: Use ... to extinguish.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contents:

Hydrocarbons, C9, aromatics
1-methoxy-2-propanol

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

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

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 CLP regulation and related classification:

>= 40% - < 50% Hydrocarbons, C9, aromatics

REACH No.: 01-2119455851-35, Index number: 649-356-00-4, CAS: 64742-95-6, EC: 918-668-5

- ⚠ 2.6/3 Flam. Liq. 3 H226
 - ⚠ 3.8/3 STOT SE 3 H335
 - ⚠ 3.10/1 Asp. Tox. 1 H304
 - ⚠ 3.8/3 STOT SE 3 H336
 - ⚠ 4.1/C2 Aquatic Chronic 2 H411
- EUH066

>= 40% - < 50% 1-methoxy-2-propanol

REACH No.: 01-2119457435-35, Index number: 603-064-00-3, CAS: 107-98-2, EC: 203-539-1

- ⚠ 2.6/2 Flam. Liq. 2 H225
- ⚠ 3.8/3 STOT SE 3 H336

>= 0.1% - < 0.25% 2-methoxypropanol

Index number: 603-106-00-0, CAS: 1589-47-5, EC: 216-455-5

- ⚠ 2.6/3 Flam. Liq. 3 H226
- ⚠ 3.8/3 STOT SE 3 H335
- ⚠ 3.2/2 Skin Irrit. 2 H315
- ⚠ 3.3/1 Eye Dam. 1 H318
- ⚠ 3.7/1B Repr. 1B H360D

>= 0.1% - < 0.25% phosphoric acid ... %, orthophosphoric acid ... %

REACH No.: 01-2119485924-24, Index number: 015-011-00-6, CAS: 7664-38-2, EC: 231-633-2

⚠

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3.2/1B Skin Corr. 1B H314

The substance with CAS No 64742-95-6 is not classified as carcinogenic or mutagenic because it contains less than 0.1 % w / w benzene (EINECS n . 200-753-7) as P note
Reg . EEC / EU 10/03/2011 N °286

The complete text of eventual H phrases is shown in paragraph 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Contact with skin:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

Contact with eyes:

Do not allow the injured person to touch or rub the affected eye.

If the eye closes in a painful spasm, open the eyelid carefully but decisively. Make sure not to allow contaminated water to enter the unaffected eye.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Swallowing:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

Inhalation:

Move the patient to a well ventilated location and keep him/her at rest. If respiration is irregular or has stopped completely, apply artificial respiration. In the case of unconsciousness, check pulse and breathing, place in a position of rest and immediately call for a doctor.

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

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

None

4.3. Indication of any 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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended extinguishers:

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.

Burning produces heavy smoke.

During combustion toxic organic and inorganic fumes may be produced.

5.3. Advice for firefighters

Use suitable breathing apparatus .

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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.

SECTION 6: Accidental release measures

- 6.1. 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.
- 6.2. Environmental precautions
 - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
 - Retain contaminated washing water and dispose it.
 - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
 - Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
 - Wash with plenty of water.
- 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.
- Avoid contact and inhalation of the vapours. See also paragraph 8.
- It is absolutely imperative to prevent the formation of inflammable or explosive mixtures in the air and to avoid concentrations higher than the professional exposure limits set.
- Keep products away from sources of heat, sparks, electrostatic charges, naked flames or other possible sources of ignition.
- Keep containers well closed.
- Electrical and lighting equipment must be suitably protected in conformity with the standards appropriate for avoiding contact between the liquid or its vapour with hot surfaces, naked flames, electrostatic charges, sparks or other possible sources of ignition.
- The compound may become electrostatically charged: always use earth connections when transferring from one container to another.
- Workers must wear antistatic shoes and clothing, the floors must be conductive and the installations and equipment must be provided with earth connections. Use anti-spark equipment.
- Avoid contact with the skin and eyes. Do not inhale the powders, aerosols and sprays which form during application of the paint. Avoid inhalation during sand blasting.
- Handle the containers with care to avoid any damage, as it can cause the spilling of the liquid.
- Open carefully the containers as they could be under pressure.
- However take care that the room has a good ventilation and an adequate air recharge.
- 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.

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Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Store 5°C ≤ T ≤ 35°C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

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

Keep away from food, drink and feed.

Incompatible materials:

See also paragraph 10 below.

Store the product in a dry place with a normal room temperature.

Avoid any direct exposure to sun rays, heat sources, naked flames and sparks. Keep away from oxidising agents, strong alkalis and strong acids.

Do not smoke. Access to storage areas is prohibited to unauthorised personnel. Containers which have been opened must be closed again carefully and kept upright so as to avoid spills.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1-methoxy-2-propanol - CAS: 107-98-2

EU - LTE(8h): 375 mg/m³, 100 ppm - STE: 568 mg/m³, 150 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)

ACGIH - LTE(8h): 50 ppm - STE: 100 ppm - Notes: A4 - Eye and URT irr

phosphoric acid ... %, orthophosphoric acid ... % - CAS: 7664-38-2

EU - LTE(8h): 1 mg/m³ - STE: 2 mg/m³ - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)

ACGIH - LTE(8h): 1 mg/m³ - STE: 3 mg/m³ - Notes: URT, eye and skin irr

DNEL Exposure Limit Values

Hydrocarbons, C9, aromatics - CAS: 64742-95-6

Worker Industry: 25 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: peso corporeo/giorno

Worker Industry: 150 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Notes: aria

Consumer: 11 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: peso corporeo/giorno

Consumer: 32 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Notes: aria

Consumer: 11 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Notes: peso corporeo/giorno

1-methoxy-2-propanol - CAS: 107-98-2

Worker Industry: 553.5 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects - Notes: mg/m³

Worker Industry: 50.6 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 369 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Notes: mg/m³

Consumer: 18.1 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 43.9 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic

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effects - Notes: mg/m³
Consumer: 3.3 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
phosphoric acid ... %, orthophosphoric acid ... % - CAS: 7664-38-2
Worker Industry: 2.92 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 0.73 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
PNEC Exposure Limit Values
1-methoxy-2-propanol - CAS: 107-98-2
Target: Fresh Water - Value: 10 mg/l
Target: Marine water - Value: 1 mg/l
Target: Freshwater sediments - Value: 41.6 mg/kg
Target: Marine water sediments - Value: 4.17 mg/kg
Target: Ground - Value: 2.47 mg/kg

Legend :

TLV: threshold limit value
TWA: time weighted average
STEL: short time exposure limit
C (CEILING): upper limit not to be exceeded
CUTE: potential absorption through skin, mucos membranes and eyes
A1: Recognised carcinogen for humans
A2: Suspected carcinogen for humans
A3: Carcinogen for animals
A4: Not classifiable as carcinogen for humans
A5: Not suspected as carcinogen for humans
(...): Values subject to change

European exposure limit values are approximates. Please refer to national legislation for applicable values in each country

8.2. Exposure controls

Eye protection (EN 166):

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

Personnel must wear totally protective and antistatic clothing.

Protection for hands (EN 374):

Gloves resistant to chemical products

Recommended materials: polyvinyl alcohol (PVA), Viton®, butyl rubber, nitrile rubber, chloroprene

Materials not recommended: natural rubber (latex)

Choose a device with a protection index suitable for the type of use and duration of contact.

Follow the manufacturer's instructions regarding choice, use, maintenance and replacement.

Respiratory protection:

Use suitable means for protection against vapour and particulate material.

We recommend the use of a half-mask with A1P2 class filter

Thermal Hazards:

None

Environmental exposure controls:

Make sure there is adequate ventilation by installing local extractor fan units and ensuring good general circulation of air in areas where the product is stored and/or handled.

Do not eat, drink or smoke in the rooms where the product is applied.

None

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Physical state: Liquid.
Color: See description in paragraph 1.
Smell: Typical.
pH: N.A.
Melting point (starting): N.A.°C
Boiling point (starting): 117°C
Solid/gas flammability: N.A.
Vapour density: N.A.
Flash point: 23°C ≤ fp ≤ 60°C
Evaporation rate: N.A.
Vapour pressure: N.A.
Specific gravity: 0.890-0.930 kg/l
Solubility: N.A.
Solubility in oil: N.A.
Partition c. (n-octanol/H₂O): N.A.
Autoignition temperature: higher than 270°C
Decomposition temperature: N.A.
Viscosity: kv > 20,5
Explosive properties: N.A.
Oxidizing properties: N.A.

9.2. Other information

Miscibility: N.A.
Fat Solubility: N.A.
Conductivity: N.A.
Substance Groups relevant properties N.A.
Specific gravity: 0.890-0.930 kg/l
Solids (%p/p): 6.9 - 7.3

SECTION 10: Stability and reactivity

- 10.1. Reactivity
 - Stable under normal conditions
- 10.2. Chemical stability
 - Stable under normal conditions
- 10.3. Possibility of hazardous reactions
 - None
- 10.4. Conditions to avoid
 - Stable under normal conditions.
- 10.5. Incompatible materials
- 10.6. Hazardous decomposition products
 - If subjected to high temperatures dangerous decomposition products may form such as carbon monoxide and dioxide, oxides of nitrogen, toxic organic and inorganic fumes.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
 - Toxicological information of the mixture:
 - N.A.
 - There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.
 - Toxicological information on main components of the mixture:
 - Hydrocarbons, C₉, aromatics - CAS: 64742-95-6
 - a) acute toxicity:
 - Test: LD₅₀ - Route: oral - Species: rat > 3492 mg/kg
 - Test: LD₅₀ - Route: dermal - Species: rabbit > 3160 mg/kg

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Test: LC50 - Route: inhalation - Species: rat > 6.193 mg/l - Duration: 4h
1-methoxy-2-propanol - CAS: 107-98-2

a) acute toxicity:

Test: LD50 - Route: oral - Species: rat = 4016 mg/kg

Test: LD50 - Route: dermal - Species: rat > 2000 mg/kg

Test: LC50 - Route: inhalation - Species: rat > 7000 Ppm - Source: 6 h
phosphoric acid ... %, orthophosphoric acid ... % - CAS: 7664-38-2

a) acute toxicity:

Test: LD50 - Route: oral - Species: rat 2600 mg/kg

Test: LD50 - Route: dermal - Species: rabbit 2740 mg/kg

Test: LC50 - Route: inhalation - Species: rat 850 mg/l - Duration: 18207.2h

If not differently specified, the information required in Regulation (EU)2015/830 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;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hydrocarbons, C9, aromatics - CAS: 64742-95-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 3.2 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 9.2 mg/l - Duration h: 96

1-methoxy-2-propanol - CAS: 107-98-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Daphnia 21100 mg/l - Duration h: 48

Endpoint: EC50 - Species: Fish = 20800 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae > 1000 mg/l - Notes: 7 giorni

phosphoric acid ... %, orthophosphoric acid ... % - CAS: 7664-38-2

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72

12.2. Persistence and degradability

Hydrocarbons, C9, aromatics - CAS: 64742-95-6

Biodegradability: Readily degradable - Test: Dissolved organic carbon - Duration: 28D - %: 78 - Notes: N.A.

1-methoxy-2-propanol - CAS: 107-98-2

Biodegradability: Readily biodegradable - Test: N.A. - Duration: N.A. - %: N.A. - Notes: N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

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vPvB Substances: None - PBT Substances: None
 12.6. Other adverse effects
 None

SECTION 13: Disposal considerations

13.1. Waste treatment 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.

SECTION 14: Transport information

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14.1. UN number

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

14.2. UN proper shipping name

N.A.

ADR-Shipping Name:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)
IATA-Shipping Name:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)
IMDG-Shipping Name:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)

14.3. Transport hazard class(es)

ADR-Class:	3
IATA-Class:	3
IMDG-Class:	3
N.A.	

14.4. Packing group

ADR-Packing Group:	III
IATA-Packing Group:	III
IMDG-Packing Group:	III
N.A.	

14.5. Environmental hazards

N.A.
 N.A.

14.6. Special precautions for user

N.A.
 N.A.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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)
 Dir. 2006/8/EC
 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

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Regulation (EU) 2015/830
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)

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 3

Restriction 40

Restrictions related to the substances contained:

Restriction 30

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EC

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

1999/13/EC (VOC directive)

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

Seveso III category according to Annex 1, part 1

15.2. Chemical safety assessment

No

SECTION 16: Other information

Text of phrases referred to under heading 3:

H226 Flammable liquid and vapour.

H335 May cause respiratory irritation.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H360D May damage the unborn child.

H314 Causes severe skin burns and eye damage.

Paragraphs modified from the previous revision:

SECTION 13: Disposal considerations

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 safety data sheet cancels and replaces any preceding release.

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ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
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.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.