

Safety Data Sheet dated 2/9/2020, version 2



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

- 1.1. Product identifier  
Mixture identification  
Trade name: DERMAGEL PLUS
- 1.2. Relevant identified uses of the substance or mixture and uses advised against  
Recommended use:  
Hand disinfectant gel.  
Uses advised against:  
Different uses than recommended. Do not use in combination with other products.
- 1.3. Details of the supplier of the safety data sheet  
Manufacturer:  
SUTTER INDUSTRIES s.p.a. - Società con Unico Socio  
15060 Borghetto Borbera (AL) Italia  
Tel. +39 0143 631.1  
Competent person responsible for the safety data sheet:  
regulatory.affairs@sutter.it
- 1.4. Emergency telephone number  
+39 0143 631.1 mon-fri 9.00/17.00

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## SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture  
EC regulation criteria 1272/2008 (CLP)
-  Danger, Flam. Liq. 2, Highly flammable liquid and vapour.
  -  Warning, Eye Irrit. 2, Causes serious eye irritation.

Adverse physicochemical, human health and environmental effects:  
No other hazards

- 2.2. Label elements  
Hazard pictograms:



- Danger  
Hazard statements:  
H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.
- Precautionary statements:  
P210 Keep away from heat - No smoking.  
P233 Keep container tightly closed.  
P235 Keep cool.  
P280 Wear eye protection.  
P337+P313 If eye irritation persists: Get medical advice/attention.
- Special Provisions:  
None

Product contents:  
polycarboxylates < 5 %  
Contains: disinfectants.  
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

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**SECTION 3: Composition/information on ingredients**

3.1. Substances

Not Applicable, the product is a mixture.

3.2. Mixtures

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

>= 70% - < 80% ETHANOL

REACH No.: 01-2119457610-43, Index number: 603-002-00-5, CAS: 64-17-5, EC:  
200-578-6



2.6/2 Flam. Liq. 2 H225



3.3/2 Eye Irrit. 2 H319

Specific Concentration Limits:

C >= 50%: Eye Irrit. 2 H319

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**SECTION 4: First aid measures**

4.1. Description of first aid measures

In case of skin contact:

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.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

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

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

Until revision date of this document, are unknown chronic effects from the mixture contact with skin, eyes, inhalation, ingestion.

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:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

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## **SECTION 5: Firefighting measures**

- 5.1. Extinguishing media
  - Suitable extinguishing media:  
CO2 or Dry chemical 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
  - The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).
  - Do not inhale explosion and combustion gases.
  - Burning produces heavy smoke.
- 5.3. Advice for firefighters
  - 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.
  - The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).

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## **SECTION 6: Accidental release measures**

- 6.1. Personal precautions, protective equipment and emergency procedures
  - For non emergency personnel:
    - Wear personal protection equipment.
    - Remove all sources of ignition.
    - Remove persons to safety.
    - See protective measures under point 7 and 8.
  - For emergency responders:
    - Wear personal protection equipment.
- 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. To converge the product in containment tanks.
- 6.4. Reference to other sections
  - See also section 8 and 13

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## **SECTION 7: Handling and storage**

- 7.1. Precautions for safe handling
  - Avoid contact with skin and eyes, inhalation of vapours and mists.
  - 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.
  - See also section 8 for recommended protective equipment.
  - Advice on general occupational hygiene:
    - Contaminated clothing should be changed before entering eating areas.
    - Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities
  - Store away from sunlight.
  - Store in a cool and well ventilated place.
  - Do not store in open or unlabeled containers.
  - Store away from heat sources.
  - Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

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

Keep away from food, drink and feed.

Incompatible materials:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2.

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

### 7.3. Specific end use(s)

None in particular, see paragraph 1.2

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Until the revision date of this document, no experimental data are available for the mixture. Below, listed occupational exposure limits, if available, for the components listed in paragraph 3.2.

ETHANOL - CAS: 64-17-5

EU - TWA(8h): 1920 mg/m<sup>3</sup>, 1000 ppm - Notes: WEL

ACGIH - STEL: 1000 ppm - Notes: A3 - URT irr

### DNEL Exposure Limit Values

Until the revision date of this document, no experimental data are available for the mixture. Below, listed the DNEL exposure limits, if available, for the components listed in paragraph 3.2.

ETHANOL - CAS: 64-17-5

Worker Industry: 1900 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 950 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 343 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: bw/day

### PNEC Exposure Limit Values

Until the revision date of this document, no experimental data are available for the mixture. Below, listed the PNEC exposure limits, if available, for the components listed in paragraph 3.2.

ETHANOL - CAS: 64-17-5

Target: Marine water - Value: 0.79 mg/l

Target: Fresh Water - Value: 0.96 mg/l

Target: Marine water sediments - Value: 2.9 mg/kg

Target: Soil (agricultural) - Value: 0.63 mg/kg

Target: Freshwater sediments - Value: 3.6 mg/kg

### 8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.(EN 166)

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton (EN 14605 in case of splashes or EN 13982 in case of dust)

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber. (ex. EN 388 - EN 374 protection factor 6, corresponding to a breakthrough time >480 minutes).

Due to great diversity of types, observe the operating instructions of the manufacturer with respect to substances listed in paragraph 3.2.

Respiratory protection:

Not needed for normal use.

**Thermal Hazards:**

The product is flammable.

The product is not explosive - see paragraph 2.1. The product contains no explosive components.

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

**Environmental exposure controls:**

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

See also section 6.2.

**Appropriate engineering controls:**

No further technical checks suitable for your product under normal conditions.

See also section 1.2, section 7 and Exposure Scenario - Annex I of this document.

**SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

| <b>Properties</b>                             | <b>Value</b>         | <b>Method:</b>       | <b>Notes:</b>   |
|---|----------------------|----------------------|---|
| Appearance and colour:                        | Clear gel, colorless | Visual               | --  |
| Odour:  | Technical            | Olfactory            | --  |
| Odour threshold:                              | Evident              | Olfactory            | --  |
| pH:   | 6,5 +/- 0,5          | Instrumental control | --  |
| Melting point / freezing point:               | Not Relevant         | --                   | Parameter not relevant for the type of product                  |
| Initial boiling point and boiling range:      | >78 °C               | --                   | Estimated value on chemical / physical properties of components |
| Flash point:                                  | < 23 °C              | --                   | Estimated value on chemical / physical properties of components |
| Evaporation rate:                             | Not Relevant         | --                   | Parameter not relevant for the type of product                  |
| Solid/gas flammability:                       | Not Relevant         | --                   | Parameter not relevant for the type of product                  |
| Upper/lower flammability or explosive limits: | Not Relevant         | --                   | Parameter not relevant for the type of product                  |
| Vapour pressure:                              | Not Relevant         | --                   | Parameter not relevant for the type of product                  |
| Vapour density:                               | Not Relevant         | --                   | Parameter not relevant for the type of product                  |
| Relative density:                             | 0.86 +/- 0.01 g/ml   | Instrumental control | --  |
| Solubility in water:                          | Completa             | --                   | Estimated value on chemical / physical properties of components |
| Solubility in oil:                            | Partial              | --                   | Estimated value on chemical / physical properties of components |
| Partition coefficient (n-octanol/water):      | < 1000               | --                   | Value estimated based on the solubility of the mixture.         |
| Auto-ignition temperature:                    | Not Relevant         | --                   | Parameter not relevant for the type of product                  |

|                            |                   |                      |   |
|----------------------------|-------------------|----------------------|---|
| Decomposition temperature: | Not Relevant      | --                   | Parameter not relevant for the type of product  |
| Viscosity:                 | 12500 +/- 2500 cP | Instrumental control | --  |
| Explosive properties:      | Not Relevant      | --                   | Parameter not relevant for product composition. |
| Oxidizing properties:      | Not Relevant      | --                   | Parameter not relevant for product composition. |

9.2. Other information

| Properties                           | Value        | Method: | Notes:   |
|--------------------------------------|--------------|---------|--|
| Miscibility:                         | Not Relevant | --      | Parameter not relevant for the type of product |
| Fat Solubility:                      | Not Relevant | --      | Parameter not relevant for the type of product |
| Conductivity:                        | Not Relevant | --      | Parameter not relevant for the type of product |
| Substance Groups relevant properties | Not Relevant | --      | Parameter not relevant for the type of product |

**SECTION 10: Stability and reactivity**

10.1. Reactivity

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

10.2. Chemical stability

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

10.3. Possibility of hazardous reactions

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

See also section 7.2.

10.4. Conditions to avoid

Avoid direct sunlight and exposure to heat sources.

Different uses than recommended. Do not use in combination with other products. See also 1.2 and 7.2

10.5. Incompatible materials

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2.

10.6. Hazardous decomposition products

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

Toxicological information of the product:

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a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

- c) serious eye damage/irritation  
The product is classified: Eye Irrit. 2 H319
- d) respiratory or skin sensitisation  
Not classified  
Based on available data, the classification criteria are not met
- e) germ cell mutagenicity  
Not classified  
Based on available data, the classification criteria are not met
- f) carcinogenicity  
Not classified  
Based on available data, the classification criteria are not met
- g) reproductive toxicity  
Not classified  
Based on available data, the classification criteria are not met
- h) STOT-single exposure  
Not classified  
Based on available data, the classification criteria are not met
- i) STOT-repeated exposure  
Not classified  
Based on available data, the classification criteria are not met
- j) aspiration hazard  
Not classified  
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Below are reported, if available, the toxicological information of the components listed in paragraph 3.2.

ETHANOL - CAS: 64-17-5

- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat > 6200 mg/kg - Source: OECD401  
Test: LC50 - Route: Inhalation - Species: Rat > 50 mg/m<sup>3</sup> - Source: OECD403  
Test: LD50 - Route: Skin - Species: Rabbit = 20 g/kg
- c) serious eye damage/irritation:  
Test: Eye Irritant Positive - Source: OECD405 - Notes: Conc. >=50%

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## **SECTION 12: Ecological information**

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.  
Until the revision date of this document, are not available experimental data on the mixture.  
Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

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Not classified for environmental hazards  
Based on available data, the classification criteria are not met

ETHANOL - CAS: 64-17-5

- a) Aquatic acute toxicity:  
Endpoint: EC50 - Species: Algae = 275 mg/l - Duration h: 72 - Notes: Chlorella vulgaris  
Endpoint: LC50 - Species: Fish = 13000 mg/l - Duration h: 96 - Notes: Salmo gairdneri  
Endpoint: EC50 - Species: Daphnia = 12340 mg/l - Duration h: 48 - Notes: Daphnia magna

### 12.2. Persistence and degradability

Until the revision date of this document, are not available experimental data on the mixture.  
Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

ETHANOL - CAS: 64-17-5

Biodegradability: Readily biodegradable

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The surfactant(s) contained in this preparation complies with the biodegradability criteria laid down in Regulation (EC) No 648/2004 on detergents. All supporting data are kept available to the competent authorities of the Member States and will be provided to those authorities if they so request or at the request of a detergent manufacturer.

### 12.3. Bioaccumulative potential

Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

ETHANOL - CAS: 64-17-5

Bioaccumulation: Slightly bioaccumulative - Test: Kow - Partition coefficient -0.31

### 12.4. Mobility in soil

Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

Not applicable

### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

### 12.6. Other adverse effects

Until the revision date of this document, unknown adverse effects and symptoms towards the environment.

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## 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. Do not discharge into the ground or into drains.

See also section 6

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## SECTION 14: Transport information



### 14.1. UN number

ADR-UN Number: 1993

IATA-UN Number: 1993

IMDG-UN Number: 1993

### 14.2. UN proper shipping name

ADR-Shipping Name: FLAMMABLE LIQUID, N.O.S.(Viscous liquid containing ETHANOL)

IATA-Shipping Name: FLAMMABLE LIQUID, N.O.S.(Viscous liquid containing ETHANOL)

IMDG-Shipping Name: FLAMMABLE LIQUID, N.O.S.(Viscous liquid containing ETHANOL)

### 14.3. Transport hazard class(es)

ADR-Class: 3

ADR - Hazard identification number: -

IATA-Class: 3

IATA-Label: 3

IMDG-Class: 3

### 14.4. Packing group

ADR-Packing Group: III



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|  |            |
|--|------------|
| IATA-Packing group:  | III        |
| IMDG-Packing group:  | III        |
| 14.5. Environmental hazards  |            |
| ADR-Environmental Pollutant:   | No         |
| IMDG-Marine pollutant:   | No         |
| 14.6. Special precautions for user                                       |            |
| ADR-Subsidiary hazards:  | -          |
| ADR-S.P.:  | 274 601    |
| ADR-Transport category (Tunnel restriction code):                        | 3 (E)      |
| IATA-Passenger Aircraft:   | 355        |
| IATA-Subsidiary hazards:   | -          |
| IATA-Cargo Aircraft:   | 366        |
| IATA-S.P.:   | -          |
| IATA-ERG:  | 3L         |
| IMDG-EmS:  | F-E , S-E  |
| IMDG-Subsidiary hazards:   | -          |
| IMDG-Stowage and handling:   | Category A |
| IMDG-Segregation:  | -          |
| 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code |            |
| Not applicable   |            |

### 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) 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)
  - 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. 2018/699 (ATP 11 CLP)
  - Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:  
None

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  
Product belongs to category: P5c

- 15.2. Chemical safety assessment
- No, for instructions on safe handling you see Sections 7 and 8 and the exposure scenario - Annex I of this document.
  - A Chemical Safety Assessment has been carried out for the mixture.

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No Chemical Safety Assessment has been carried out for the mixture.  
Substances for which a Chemical Safety Assessment has been carried out:  
None

### SECTION 16: Other information

Full text of phrases referred to in Section 3:  
H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.

| Hazard class and hazard category | Code  | Description                  |
|----------------------------------|-------|------------------------------|
| Flam. Liq. 2                     | 2.6/2 | Flammable liquid, Category 2 |
| Eye Irrit. 2                     | 3.3/2 | Eye irritation, Category 2   |

Paragraphs modified from the previous revision:

SECTION 2: Hazards identification  
SECTION 9: Physical and chemical properties  
SECTION 14: Transport information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| Classification according to Regulation (EC) Nr. 1272/2008 | Classification procedure |
|---|--------------------------|
| Flam. Liq. 2, H225  | On basis of test data    |
| Eye Irrit. 2, H319  | Calculation method       |

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.  
EC0/10/20/50/100: Effective concentration, for 0/10/20/50/100 percent of test population.  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
GefStoffVO: Ordinance on Hazardous Substances, Germany.  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.



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|                   |   |
|-------------------|---|
| 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.  |
| LC0/10/20/50/100: | Lethal concentration, for 0/10/20/50/100 percent of test population.                |
| LD0/10/20/50/100: | Lethal dose, for 0/10/20/50/100 percent of test population.                         |
| NOEC:             | No Observed Effect Concentration  |
| NOAEL(R)/N        | No Observed Adverse Effect Level(Repeated)/Concentration                            |
| OECD:             |   |
| OECD:             | Organisation for Economic Co-operation and Development                              |
| 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.  |