# MATERIAL SAFETY DATA SHEET-MSDS

SMALTO AD ACQUA BIANCO LUX - SATINATO

SAFETY DATA SHEET OF 05/02/2025, REVISION 3

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ENTERPRISE

1.1. Product identifier
Identification of the mixture:
Trade name: SMALTO AD ACQUA BIANCO LUX - SATINATO
Commercial code: 185225MARSA
1.2. Identified relevant uses of the substance or mixture and uses advised against
Type of product and use: Paint product
1.3. Information on the supplier of the safety data sheet
Supplier: NICOLA VERNICI SINCE 1890/FARBELAST SRL, strada del francese 117/12 10156 Torino - Tel: (+39) 011/4704523, (+39) 011856603 - 10156 - Fax: (+39) 0114704523
Person responsible for the safety data sheet: showroomnicola@libero.it,
Person responsible for the safety data sheet: Derossi Fabio
1.4. Emergency telephone number Poison Control Center - Azienda Ospedaliera «S.G. Battista» - Molinette di Torino Corso A.M. Dogliotti, 14 - 10128 Torino Tel.: (011) 6637637

## SECTION 2: HAZARD IDENTIFICATION

Regulation (EC) No. 1272/2008 (CLP)
The product is not considered dangerous in accordance with EC Regulation 1272/2008 (CLP).
Harmful physical-chemical effects on human health and the environment: No other hazards
2.2. Label elements The product is not considered dangerous in accordance with EC Regulation 1272/2008 (CLP)
Special provisions:
EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction.
EUH208 Contains a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May cause an allergic reaction.
EUH211 Warning! In case of vaporization, respirable droplets may be formed. Do not breathe vapors or mists.
EUH210 Safety data sheet available on request.
Special provisions based on Annex XVII of REACH and subsequent adjustments: None
2.3. Other hazards: No PBT, vPvB substances, or endocrine disruptors present in concentrations >= 0.1%
Other hazards: No other hazards

## SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

3.1. Substances N.A.
3.2. Mixtures
Hazardous components according to the CLP Regulation and their classification

| Qtà | Nome | Numero d'identif. | | Classificazione |
|---|---|---|---|---|
| 6 ppm | Miscela di: 5-cloro-2-metil-2H-isotiazol-3-one [EC no. 247-500-7]; 2-metil-2H-isotiazol-3-one [EC no. 220-239-6] (3:1) | Numero Index: | 613-167-00-5 | 3.2/1B Skin Corr. 1B H314<br>3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317<br>4.1/A1 Aquatic Acute 1 H400<br>4.1/C1 Aquatic Chronic 1 H410<br>3.1/3/Oral Acute Tox. 3 H301<br>3.1/3/Dermal Acute Tox. 3 H311<br>3.1/3/Inhal Acute Tox. 3 H331 |
| | | CAS: | 55965-84-9 | |

| Nome del prodotto/ ingrediente | Identificatori | % | Classificazione | Conc. specifica limiti, fattori M e ATE | Tipo |
|---|---|---|---|---|---|
| diossido di titanio | REACH #: 01-2119489379-17 CE: 236-675-5 Numero CAS: 13463-67-7 | ≥15 - ≤20 | Carc. 2, H351 (inalazione) | - | [1] [*] |
| 1,2-benzisotiazol-3(2H)-one | CE: 220-120-9 Numero CAS: 2634-33-5 | <0.05 | Acute Tox. 4, H302 Acute Tox. 2, H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 | ATE [Orale] = 500 mg/kg ATE [Inalazione (polveri e nebulizzazioni)] = 0.05 mg/l Skin Sens. 1, H317: C ≥ 0.05% M [Acuto] = 10 | [1] |
| CMIT/MIT(3:1) | REACH #: 01-2120764691-48 CE: 911-418-6 Numero CAS: 55965-84-9 Indice: 613-167-00-5 | <0.0015 | Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071 | ATE [Orale] = 100 mg/kg ATE [Dermico] = 50 mg/kg ATE [Inalazione (polveri e nebulizzazioni)] = 0.05 mg/l Skin Corr. 1C, H314: C ≥ 0.6% Skin Irrit. 2, H315: 0.06% ≤ C < 0.6% Eye Dam. 1, H318: C ≥ 0.6% Eye Irrit. 2, H319: 0.06% ≤ C < 0.6% Skin Sens. 1, H317: C ≥ 0.0015% M [Acuto] = 100 M [Cronico] = 100 | [1] |
| OIT | CE: 247-761-7 Numero CAS: 26530-20-1 Indice: 613-112-00-5 | <0.001 | Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071 | ATE [Orale] = 125 mg/kg ATE [Dermico] = 311 mg/kg ATE [Inalazione (polveri e nebulizzazioni)] = 0.27 mg/l Skin Sens. 1, H317: C ≥ 0.0015% M [Acuto] = 100 M [Cronico] = 100 | [1] |
| DISTILLED WATER | H2O | 29.9475 | NN | NN | [1] |
| ACRILIC BINDER AKNAL 290D | REACH #: 01-2119489379-17 CE: 236-675-5 Numero CAS: 25054-06-2 | 50 | Carc. 2, H351 (inalazione) | NN | [1] |

There are no additional ingredients that, to the supplier's current knowledge and at applicable concentrations, are classified as hazardous to health or the environment, meet the PBT or vPvB criteria, or are considered substances of equivalent concern or substances assigned an occupational exposure limit that must be reported in this section.

Type

[1] Substance classified with a physical, health, or environmental hazard.

[*] The classification as a carcinogenic substance by inhalation applies only to mixtures placed on the market in powder form containing 1% or more of titanium dioxide particles with an aerodynamic diameter ≤10 µm, not incorporated into a matrix.

Occupational exposure limits, if known, are listed in section 8.

## SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures
In case of skin contact:
Wash thoroughly with soap and water.
In case of contact with eyes:
In case of ingestion:
In case of inhalation:
Remove the casualty to fresh air and keep him warm and at rest.
4.2. Main symptoms and effects, both acute and delayed :Nothing
4.3. Indication of any immediate medical attention and special treatment needed
Treatment: Nothing

## SECTION 5: FIRE PREVENTION MEASURES

5.1. Fire fighting
Suitable extinguishing media:
Waterfall.
Carbon dioxide (CO2).
Extinguishing media that must not be used for safety reasons:
No one in particular.
5.2. Special hazards arising from the substance or mixture
Do not inhale the gases produced by explosion and combustion.
Combustion produces heavy smoke.
5.3. Recommendations for fire fighters
Use appropriate respiratory equipment.
Collect contaminated water used to extinguish the fire separately.
Do not discharge it into the sewer system.
If feasible from a safety point of view, move undamaged containers from the immediate danger area.

## SECTION 6: MEASURES IN CASE OF ACCIDENTAL RELEASE

6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protective equipment.
Move people to a safe place.
Consult the protective measures set out in points 7 and 8.
6.2. Environmental precautions
Prevent penetration into the soil/subsoil. Prevent runoff into surface water or sewer system.
Retain contaminated wash water and discard it.
In the event of a gas leak or penetration into watercourses, soil or sewage systems, inform the responsible authorities.
Material suitable for collection: absorbent, organic material, sand
6.3. Methods and materials for containment and cleanup
Wash with plenty of water.
6.4. Reference to other sections
See also paragraphs 8 and 13

## SECTION 7: MANIPULATION E STORAGE

7.1. Precautions for Safe Handling
Avoid contact with skin and eyes, inhalation of vapors and mists.
Please also refer to paragraph 8 for the recommended protective devices.
General recommendations on occupational hygiene:
At work do not eat or drink.
7.2. Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.
None in particular.
Indication for locals:
Adequately ventilated rooms.
7.3. Specific end uses
No particular use

## SECTION 8: CHECK OF EXPOSURE/ PROTECTION INDIVIDUAL

8.1. Control Parameters
No occupational exposure limits available.
DNEL exposure limit values:
N.A.
PNEC exposure limit values:
N.A.
8.2. Exposure Controls
Eye protection:
Not required under normal use. Operate in accordance with good working practices.
Skin protection:
No special precautions required under normal use.
Hand protection:
Not required under normal use.
Respiratory protection:
Not necessary under normal use.
Thermal hazards:
None
Environmental exposure controls:
None
Appropriate engineering controls:
None

## SECTION 9: PHYSICAL PROPERTIES E CHEMICALS

9.1. Information on basic physical and chemical properties
Physical state: Liquid
Appearance: Liquid
Color: White
Odor: Non
Melting/freezing point: Not available
Initial boiling point and boiling range: N.A.
Flammability: N.A. (Not Applicable)
Upper/lower flammability or explosive limits: Not available
Flash point: Not available
Auto-ignition temperature: Not available
Decomposition temperature: Not available
Viscosity: Brookfield a 20° C = 15000 Cps
Water solubility: Dispersible

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Unless otherwise stated, the measurement of all properties must be carried out under standard temperature and pressure conditions.

**9.2**Information on fundamental physical and chemical properties

Appearance

Physical state: Liquid.

Color: White.

Odor: Characteristic.

Odor threshold: Not available.

Melting point/freezing point: Not available.

Boiling point, initial boiling point, and boiling range: 100°C (212°F)

Flammability: Not available.

Lower and upper explosive limits: Not available.

Flash point: Closed vessel: Not applicable. [Pensky-Martens]

Autoignition temperature:

| Denominazione componente | °C | °F | Metodo |
|---|---|---|---|
| N-(2-metossifenil)-2-[(2-metossi-4-nitrofenil)azo] -3-ossobutirrammide | 180 | 356 | VDI 2263 |
| tributilammina | 210 | 410 | EU A.15 |
| 2-(2-metossietossi)etanolo | 215 | 419 | DIN 51794 |

Decomposition temperature: Not available.

pH : Not available. [DIN EN 1262]

Viscosity: Kinematic (at ambient temperature): 1056 mm2/s [DIN EN ISO 3219]

Kinematic (40°C): Not applicable. [DIN EN ISO 3219]

Solubility (in cold water): Soluble. [OECD (TG 105)]

Partition coefficient n-octanol/water: Not applicable.

Vapor pressure:

| Denominazione componente | Pressione di vapore a 20 °C | | | Pressione di vapore a 50 °C | | |
|---|---|---|---|---|---|---|
| | mm Hg | kPa | Metodo | mm Hg | kPa | Metodo |
| ammoniaca, soluzione acquosa | 360.03 | 48 | | | | |
| gliossale | 15.15 | 2 | EU A.4 | | | |
| gliossale | 15.15 | 2 | EU A.4 | | | |

Relative density: 1.515

Vapor density: Not available.

Particle characteristics

Median particle size: Not applicable.

Percentage of particles with aerodynamic diameter ≤ 10 µm: 0

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:** There are no particular reaction hazards with other substances under normal conditions of use.

**10.2 Chemical stability:** The product is stable.

**10.3 Possibility of dangerous reactions:** Under normal conditions of use and storage, no hazardous reactions are expected.

**10.4 Conditions to avoid:** No specific data.

**10.5 Incompatible materials:** No specific data.

**10.6 Hazardous decomposition products:**

Under normal storage and usage conditions, no hazardous decomposition products should be generated.

## SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes defined in Regulation (EC) No. 1272/2008
No data is available on the mixture itself. This product is not classified as hazardous under Regulation (EC) No. 1272/2008 and its amendments.
Repeated or prolonged contact with the mixture may remove the skin's natural oils, leading to non-allergic contact dermatitis and absorption through the skin.
Contact with the liquid may cause irritation and reversible damage to the eyes.
Delayed and immediate effects, as well as chronic effects of the components from short and long-term exposure via oral, dermal, inhalation, and eye contact, are considered where known.
Contains 1,2-benzisothiazol-3(2H)-one, CMIT/MIT (3:1), octylisothiazolinone (ISO). May cause an allergic reaction.

### ACUTE TOXICITY

| Nome del prodotto/ ingrediente | Risultato | Specie | Dose | Esposizione |
|---|---|---|---|---|
| 1,2-benzisotiazol-3(2H)-one | DL50 Per via orale<br>DL50 Per via orale | Topo<br>Ratto | 1150 mg/kg<br>1020 mg/kg | -<br>- |
| OIT | DL50 Per via cutanea<br>DL50 Per via orale | Coniglio<br>Ratto | 690 mg/kg<br>550 mg/kg | -<br>- |

CONCLUSION/SUMMARY: NOT AVAILABLE.

### ACUTE TOXICITY ESTIMATES

| Nome del prodotto/ingrediente | Per via orale (mg/kg) | Per via cutanea (mg/kg) | Inalazione (gas) (ppm) | Inalazione (vapori) (mg/l) | Inalazione (polveri e aerosol) (mg/l) |
|---|---|---|---|---|---|
| 1,2-benzisotiazol-3(2H)-one | 500 | N/A | N/A | N/A | 0.05 |
| CMIT/MIT(3:1) | 100 | 50 | N/A | N/A | 0.05 |
| OIT | 125 | 311 | N/A | N/A | 0.27 |

### IRRITATION/CORROSION

| Nome del prodotto/ ingrediente | Risultato | Specie | Punteggio | Esposizione | Osservazione |
|---|---|---|---|---|---|
| OIT | Occhi - Fortemente irritante | Coniglio | - | 100 mg | - |

Conclusion/Summary Sensitization: Not available.
Conclusion/Summary Mutagenicity: Not available.
Conclusion/Summary Carcinogenicity: Not available.
Conclusion/Summary Reproductive Toxicity: Not available.
Conclusion/Summary Teratogenicity: Not available.
Conclusion/Summary: Not available.
Specific Target Organ Toxicity (STOT) — Single Exposure: Not available.
Specific Target Organ Toxicity (STOT) — Repeated Exposure: Not available.
Aspiration Hazard: Not available.
Information on Likely Routes of Exposure: Not available.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Potential acute health effects** :
Eye contact: No significant effects or critical hazards are known.
Inhalation: No significant effects or critical hazards are known.
Skin contact: No significant effects or critical hazards are known.
Ingestion: No significant effects or critical hazards are known.
**Symptoms related to physical, chemical, and toxicological characteristics**
Eye contact: No specific data.
Inhalation: No specific data.
Skin contact: No specific data.
Ingestion: No specific data.
Immediate, delayed, and chronic effects resulting from short-term and long-term exposure
Short-term exposure
Potential immediate effects: Not available.
Potential delayed effects: Not available.
Long-term exposure
Potential immediate effects: Not available.
Potential delayed effects: Not available.
Potential Chronic Health Effects: Not available.
Conclusion/Summary: Not available.
General: No significant effects or critical hazards are known.
Carcinogenicity: No significant effects or critical hazards are known.
Mutagenicity: No significant effects or critical hazards are known.
Reproductive Toxicity: No significant effects or critical hazards are known.
11.2 Information on other hazards:
11.2.1 Endocrine disruption properties
This mixture does not contain substances evaluated as endocrine disruptors.
11.2.2 Other information: No additional information.

## SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
There is no available data on the mixture itself.
Do not disperse the product into the sewage system and watercourses.
The mixture has been evaluated following the summation method of the CLP Regulation (EC) No. 1272/2008 and is not classified as hazardous to the environment, but it contains one or more substances hazardous to the environment. See Section 3 for further details.

| Nome del prodotto/ ingrediente | Risultato | Specie | Esposizione |
|---|---|---|---|
| diossido di titanio | Acuto CL50 >1000 mg/l Acqua fresca | Pesce - Pimephales promelas | 96 ore |
| 1,2-benzisotiazol-3(2H)-one | Acuto EC50 97 ppb Acqua fresca | Dafnia - Daphnia magna | 48 ore |
| | Acuto EC50 2.24 ppm Acqua fresca | Dafnia - Daphnia magna | 48 ore |
| | Acuto EC50 3.7 ppm Acqua fresca | Dafnia - Daphnia magna | 48 ore |
| | Acuto EC50 1.1 ppm Acqua fresca | Dafnia - Daphnia magna | 48 ore |
| | Acuto EC50 2 ppm Acqua fresca | Dafnia - Daphnia magna | 48 ore |
| | Acuto CL50 10 a 20 mg/l Acqua fresca | Crostacei - Ceriodaphnia dubia | 48 ore |
| | Acuto CL50 540 ppb Acqua fresca | Pesce - Lepomis macrochirus | 96 ore |
| | Acuto CL50 167 ppb Acqua fresca | Pesce - Oncorhynchus mykiss | 96 ore |
| | Acuto CL50 0.75 ppm Acqua fresca | Pesce - Oncorhynchus mykiss | 96 ore |
| | Acuto CL50 1.8 ppm Acqua fresca | Pesce - Oncorhynchus mykiss | 96 ore |
| OIT | Acuto CL50 1.6 ppm Acqua fresca | Pesce - Oncorhynchus mykiss | 96 ore |
| | Acuto EC10 0.000224 mg/l | Alghe - Navicula peliculosa | 48 ore |
| | Acuto EC50 0.084 mg/l | Alghe - Desmodesmus subspicatus | 72 ore |
| | Acuto EC50 0.00129 mg/l | Alghe - Navicula peliculosa | 48 ore |
| | Acuto EC50 0.42 mg/l | Dafnia | 48 ore |
| | Acuto EC50 107 ppb Acqua fresca | Dafnia - Daphnia magna | 48 ore |
| | Acuto EC50 180 ppb Acqua fresca | Dafnia - Daphnia magna | 48 ore |
| | Acuto EC50 320 ppb Acqua fresca | Dafnia - Daphnia magna | 48 ore |
| | Acuto CL50 154 ppb Acqua fresca | Pesce - Notemigonus crysoleucas | 96 ore |
| | Acuto CL50 47 ppb Acqua fresca | Pesce - Oncorhynchus mykiss | 96 ore |
| | Acuto CL50 50 ppb Acqua fresca | Pesce - Oncorhynchus mykiss | 96 ore |
| | Acuto CL50 65.5 ppb Acqua fresca | Pesce - Oncorhynchus mykiss | 96 ore |
| | Acuto CL50 140 ppb Acqua fresca | Pesce - Pimephales promelas | 96 ore |
| | Cronico NOEC 8.5 ppb | Pesce - Pimephales promelas | 35 giorni |

## SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste generation should be avoided or minimized wherever possible. Recover if possible.
It is not possible to specify a waste code (EWC) according to the European Waste List (LoW), due to use dependence. Contact and send to an authorized waste disposal service.

Disposal methods:
The disposal of this product, solutions, packaging, and any by-products must always comply with the requirements of environmental protection and waste disposal legislation and the requirements of local and regional authorities. Dispose of excess and non-recyclable products through a licensed waste disposal contractor. Do not dispose of waste in sewers. Clean waste packaging should be recycled where possible and authorized by the authority.

Hazardous waste: No
Disposal considerations: Do not allow entry into drains or water courses.
Dispose of the product in accordance with all applicable federal, state, and local regulations.
If this product is mixed with other wastes, the original waste code may no longer apply, and the appropriate code should be assigned.
Dispose of containers contaminated with product in accordance with local or national regulations. For more information, contact the local waste authority.
Special precautions: This material and its container must be disposed of in a safe way. Take care when handling untreated empty containers. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Empty containers or liners may retain some product residues. Do not reuse empty containers.

## SECTION 14: TRANSPORT INFORMATION

Goods not hazardous according to transport regulations.

| | |
|---|---|
| 14.1. UN number or ID number | Not Applicable |
| 14.2. Official UN transport designation | Not Applicable |
| 14.3. Transport hazard classes | Not Applicable |
| 14.4. Packing group | Not Applicable |
| 14.5. Environmental hazards | Not Applicable |
| 14.6. Special precautions for users | Not Applicable |
| Road and Rail (ADR-RID): | Not Applicable |

## SECTION 15: REGULATORY INFORMATION

15.1. Legislative and regulatory provisions on health, safety, and environmental protection specific to the substance or mixture

VOC (2004/42/EC): 20 g/l
Legislative Decree 9/4/2008 No. 81
Ministerial Decree of Labor 26/02/2004 (Occupational Exposure Limits)
Regulation (EC) No. 1907/2006 (REACH)
Regulation (EU) No. 2020/878
Regulation (EC) No. 1272/2008 (CLP)
Regulation (EC) No. 790/2009 (ATP 1 CLP) and (EU) No. 758/2013
Regulation (EU) No. 286/2011 (ATP 2 CLP)
Regulation (EU) No. 618/2012 (ATP 3 CLP)
Regulation (EU) No. 487/2013 (ATP 4 CLP

Regulation (UE) n. 944/2013 (ATP 5 CLP)
Regulation (UE) n. 605/2014 (ATP 6 CLP)
Regulation (UE) n. 2015/1221 (ATP 7 CLP)
Regulation (UE) n. 2016/918 (ATP 8 CLP)
Regulation (UE) n. 2016/1179 (ATP 9 CLP)
Regulation (UE) n. 2017/776 (ATP 10 CLP)
Regulation (UE) n. 2018/669 (ATP 11 CLP)
Regulation (UE) n. 2019/521 (ATP 12 CLP)
Regulation (UE) n. 2018/1480 (ATP 13 CLP)
Regulation (UE) n. 2020/217 (ATP 14 CLP)
Regulation (UE) n. 2020/1182 (ATP 15 CLP)
Regulation (UE) n. 2021/643 (ATP 16 CLP)
Regulation (UE) n. 2021/849 (ATP 17 CLP)
Regulation (UE) n. 2022/692 (ATP 18 CLP)
Disposizioni relative alla direttiva EU 2012/18 (Seveso III): Nessuna

Restrictions relating to the product or substances contained based on Annex XVII of Regulation (EC) 1907/2006 (REACH) and subsequent amendments:
Product Restrictions: None
Restrictions relating to the substances contained: 28, 40, 72, 75
SVHC substances: SVHC substances not present in a concentration ≥ 0.1% (w/w)
National regulations Lagerklasse (TRGS-510): 10 - Combustible liquids, which cannot be assigned to any other previous LGK.
German water hazard class (WGK)
Class 1: not very dangerous.
15.2. Chemical safety assessment
A chemical safety assessment has not been carried out for the mixture

## SECTION 16: OTHER INFORMATION

Text of Phrases Used in Paragraph 3:
H314 Causes severe skin burns and serious 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.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.

This sheet supersedes any previous edition.
Legend of abbreviations and acronyms used in the safety data sheet:
ACGIH: American Conference of Governmental Industrial Hygienists
ADR: European Agreement concerning the international transport of dangerous goods by road.
AND: European Agreement relating to the international transport of dangerous goods by waterways internal
ATE: Estimated Acute Toxicity
ATEmix: Acute Toxicity Estimate (Mixtures)
BCF: Biological concentration factor
BEI: Biological Exposure Index
BOD: biochemical oxygen demand
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CAV: Poison Control Center
EC: European Community
CLP: Classification, Labeling, Packaging.
CMR: Carcinogenic, mutagenic, reproductive toxic
COD: chemical oxygen demand
VOC: Volatile Organic Compound
CSA: Chemical Safety Assessment
CSR: Chemical Safety Report
DMEL: Derived level with minimal effects
DNEL: Derived no effect level.
DPD: Dangerous Products Directive
DSD: Dangerous Substances Directive
EC50: Median effective concentration
ECHA: European Chemicals Agency
EINECS: European inventory of European chemical substances on the market.
ES: Exposure Scenario
GefStoffVO: Hazardous Substances Ordinance in Germany.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IARC: International Cancer Research Center
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation of the "International Air Transport Association" (IATA).
IC50: Median inhibitory concentration
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical instructions of the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Dangerous Goods Code.
INCI: International nomenclature of cosmetic ingredients.
IRCCS: Scientific Hospitalization and Treatment Institutes
KAFH: KAFH
KSt: Explosion coefficient.
LC50: Lethal concentration for 50 percent of the test population.
LD50: Lethal dose for 50 percent of the test population.
LDLo: Minimum lethal dose
N.A.: Not Applicable
N/A: Not Applicable
N/A: Not determined / not available
NA: Not available
RID: Regulation concerning the international transport of dangerous goods by rail.
STEL: Short-term exposure limit.
STOT: Specific organ toxicity.
TLV: Threshold limit value.
TWATLV: Threshold limit value for the 8-hour weighted average. (ACGIH Standard).
vPvB: Very persistent and very bioaccumulative
WGK: Water hazard class (Germany).
NIOSH: National Institute for Occupational Safety and Hygiene
NOAEL: Dose with no observed adverse effects
OSHA: Occupational Safety and Health Agency
PBT: Persistent, bioaccumulative and toxic
PGK: Packing Instructions
PNEC: Predicted No Effect Concentration.
PSG: Passengers