

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

1.1. Product identifier

Mixture identification:

Trade name: T04A1
Trade code: C13T04A140
UFI: P08S-JKPK-WJ07-SE27

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

Ink for inkjet printing

1.3. Details of the supplier of the safety data sheet

Company:

EPSON EUROPE B.V.
Azie building, Atlas ArenA, Hoogoorddreef 5, 1101 BA Amsterdam
Zuidoost The Netherlands

Phone number: +31-20-314-5000

Competent person responsible for the safety data sheet:

chemicals@epson.eu

Date: 20/10/2022

Revision: 5.0

1.4. Emergency telephone number

Phone number: +31-20-314-5000

United Kingdom; 01952 607111 Monday to Friday 9am to 5:30pm.
Emergency Action: In the event of a medical enquiry involving
this product, please contact your doctor or local hospital
accident and emergency department.

Ireland; +353 (01) 809 2566 or +353 (01) 809 2166

Malta; 2545 0000 or 21224071

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)



Danger, Repr. 1B, May damage fertility or the unborn child.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H360 May damage fertility or the unborn child.

Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P405 Store locked up.

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

Special Provisions:

Safety Data Sheet

EUH208 Contains 2,4,7,9-tetramethyldec-5-yne-4,7-diol. May produce an allergic reaction.

EUH208 Contains 2-methylisothiazol-3(2H)-one. May produce an allergic reaction.

Contains

2-Pyrrolidone

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

No

3.2. Mixtures

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

| Qty | Name | Ident. Number | Classification |
|-----------------|---|---|--|
| 50% ~ 65% | Water | CAS: 7732-18-5 EC: 231-791-2 | The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP). |
| 7% ~ 10% | Carbon black | CAS: 1333-86-4 EC: 215-609-9 | The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP). |
| 5% ~ 7% | Glycerol | CAS: 56-81-5 EC: 200-289-5 | The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP). |
| 3% ~ 5% | 2-Pyrrolidone | CAS: 616-45-5 EC: 210-483-1 REACH No.: 01-21194754 71-37 |  3.3/2 Eye Irrit. 2 H319  3.7/1B Repr. 1B H360 Specific Concentration Limits: C $\geq 3\%$: Repr. 1B H360 |
| 1% ~ 3% | 2-[2-(2-butoxyethoxy)ethoxy]ethanol; TEGBE; triethylene glycol monobutyl ether | Index number: 603-183-00-0 CAS: 143-22-6 EC: 205-592-6 REACH No.: 01-21194751 07-38 |  3.3/1 Eye Dam. 1 H318 Specific Concentration Limits: C $\geq 30\%$: Eye Dam. 1 H318 20% \leq C < 30%: Eye Irrit. 2 H319 |
| 0.1% ~ 0.25% | 2,4,7,9-tetramethyldec-5-yne-4,7-diol | CAS: 126-86-3 EC: 204-809-1 REACH No.: 01-21199543 90-39 |  3.3/1 Eye Dam. 1 H318  3.4.2/1B Skin Sens. 1B H317 4.1/C3 Aquatic Chronic 3 H412 |
| < 0.0015% | 2-methylisothiazol-3(2H)-one | Index number: 613-326-00-9 CAS: 2682-20-4 EC: 220-239-6 |  3.1/2/Inhal Acute Tox. 2 H330  3.1/3/Dermal Acute Tox. 3 H311  3.1/3/Oral Acute Tox. 3 H301  3.2/1B Skin Corr. 1B H314  3.3/1 Eye Dam. 1 H318  3.4.2/1A Skin Sens. 1A H317 |

| | | | |
|--|--|--|---|
| | | | <p> 4.1/A1 Aquatic Acute 1 H400 M=10.</p> <p> 4.1/C1 Aquatic Chronic 1 H410 M=1. EUH071</p> <p>Specific Concentration Limits: C >= 0.0015%: Skin Sens. 1A H317</p> |
|--|--|--|---|

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.

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

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

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

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.

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.

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.
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.
Exercise the greatest care when handling or opening the container.
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
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.
- 7.3. Specific end use(s)
None in particular

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
Carbon black - CAS: 1333-86-4
- OEL Type: ACGIH - TWA(8h): 3 mg/m³
- OEL Type: OSHA - TWA: 3.5 mg/m³
- OEL Type: JSOH - TWA: 1 mg/m³ - Notes: as Class 2 Dusts (Respirable dust)
- OEL Type: JSOH - TWA: 4 mg/m³ - Notes: as Class 2 Dusts (Total dust)
- Notes: as total dust
Glycerol - CAS: 56-81-5
- OEL Type: OSHA - TWA: 5 mg/m³ - Notes: Respirable dust
- OEL Type: OSHA - TWA: 15 mg/m³ - Notes: Total dust
DNEL Exposure Limit Values
2-Pyrrolidone - CAS: 616-45-5
Worker Industry: 13.23 mg/m³ - Worker Professional: 1.985 mg/m³ - Exposure:
Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 1.876 mg/kg/day - Worker Professional: 0.67 mg/kg/day -
Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 0.67 mg/kg/day - Exposure: Human Oral - Frequency: Long
Term, systemic effects
PNEC Exposure Limit Values
2-Pyrrolidone - CAS: 616-45-5

Target: Fresh Water - Value: 0.5 mg/l
Target: Freshwater sediments - Value: 2.17 mg/kg
Target: Marine water - Value: 0.05 mg/l
Target: Marine water sediments - Value: 0.217 mg/kg
Target: Microorganisms in sewage treatments - Value: 10 mg/l
2-[2-(2-butoxyethoxy)ethoxy]ethanol; TEGBE; triethylene glycol monobutyl ether -
CAS: 143-22-6
Target: Fresh Water - Value: 1.5 mg/l
Target: Freshwater sediments - Value: 5.77 mg/kg
Target: Marine water - Value: 0.15 mg/l
Target: Marine water sediments - Value: 0.13 mg/kg
Target: Microorganisms in sewage treatments - Value: 200 mg/l
2,4,7,9-tetramethyldec-5-yne-4,7-diol - CAS: 126-86-3
Target: Fresh Water - Value: 0.04 mg/l
Target: Marine water - Value: 0.004 mg/l
Target: Freshwater sediments - Value: 0.32 mg/kg
Target: Marine water sediments - Value: 0.032 mg/kg

8.2. Exposure controls

8.2.1. Appropriate engineering controls:

None

8.2.2. Individual protection measures, such as personal protective equipment

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use personal protective equipment as required.

Thermal Hazards:

None

8.2.3. Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------|
| Physical state: | Liquid |
| Colour: | Black |
| Odour: | Slightly |
| Melting point / freezing point: | No data available |
| Boiling point or initial boiling point and boiling range: | No data available |
| Flammability: | Non-flammable |
| Lower and upper explosion limit: | No data available |
| Flash point: | > 99.5 °C / 211 ° F |
| Auto-ignition temperature: | No data available |
| Decomposition temperature: | No data available |
| pH: | 8.3 ~ 9.3 at 20 °C |
| Kinematic viscosity: | No data available |
| Solubility in water: | Complete |

| | |
|---------------------------|-------------------|
| Vapour pressure: | No data available |
| Relative vapour density: | No data available |
| Particle characteristics: | Not Relevant |

9.2. Other information

Viscosity: < 5 mPa·s at 20 °C

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
None in particular.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

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

Toxicological information of the product:

e) germ cell mutagenicity:

Test: Mutagenesis - Species: Salmonella Typhimurium and Escherichia coli
Negative

f) carcinogenicity:

Components do not come under carcinogens (Ref. 1), except for Carbon black

Toxicological information of the main substances found in the product:

Carbon black - CAS: 1333-86-4

a) acute toxicity:

Test: LD50 - Route: Dermal - Species: Rabbit > 3 g/kg - Source: Acute Toxicity Data. Journal of the American College of Toxicology, Part B. Vol. 15

Test: LD50 - Route: Oral - Species: Rat > 15400 mg/kg - Source: Acute Toxicity Data. Journal of the American College of Toxicology, Part B. Vol. 15

Glycerol - CAS: 56-81-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Guinea pig = 7750 mg/kg - Source: Journal of Industrial Hygiene and Toxicology. Vol. 23, Pg. 259, 1941

Test: LDLo - Route: Oral - Species: Human = 1428 mg/kg - Source: "Toxicology of Drugs and Chemicals," Deichmann, W.B., New York, Academic Press, Inc., 1969Vol. -, Pg. 288, 1969.

2-Pyrrolidone - CAS: 616-45-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Dermal - Species: Rabbit > 2000 mg/kg

b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit Non-irritant

c) serious eye damage/irritation:

Test: Eye Irritant - Species: Rabbit Moderate irritant - Based on available data, the classification criteria are not met

d) respiratory or skin sensitisation:

Test: Skin Sensitisation - Route: LLNA - Species: Mouse Negative

- e) germ cell mutagenicity:
 - Test: Mutagenesis - Species: Salmonella Typhimurium and Escherichia coli
Negative
- 2-[2-(2-butoxyethoxy)ethoxy]ethanol; TEGBE; triethylene glycol monobutyl ether -
CAS: 143-22-6
- a) acute toxicity:
 - Test: LD50 - Route: Dermal - Species: Rabbit = 3.54 ml/kg - Source: American Industrial Hygiene Association Journal. Vol. 23, Pg. 95, 1962.
 - Test: LD50 - Route: Oral - Species: Rat = 5300 mg/kg - Source: Office of Toxic Substances Report. Vol. OTS,
- 2,4,7,9-tetramethyldec-5-yne-4,7-diol - CAS: 126-86-3
- a) acute toxicity:
 - Test: LD50 - Route: Dermal - Species: Rat > 2000 mg/kg
- b) skin corrosion/irritation:
 - Test: Skin Irritant - Species: Rabbit Mild irritant
- c) serious eye damage/irritation:
 - Test: Eye Irritant - Species: Rabbit Highly irritating
- d) respiratory or skin sensitisation:
 - Test: Skin Sensitisation - Route: LLNA - Species: Mouse Sensitiser
- e) germ cell mutagenicity:
 - Test: Mutagenesis - Species: Salmonella Typhimurium Negative
- Carbon black - CAS: 1333-86-4
 - With excessive exposure, carbon black has been listed as a possible human carcinogen. However, as engineered within this ink cartridge, emissions to air of carbon black during normal printing use have not been found. IARC, the International Agency for Research on Cancer, has found printing inks to be not classifiable as human carcinogens.

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;
- 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%

SECTION 12: Ecological information

12.1. Toxicity

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

Toxicological information of the product:

No data available

Toxicological information of the main substances found in the product:

2-Pyrrolidone - CAS: 616-45-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 4600 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 500 mg/l - Duration h: 24

- Endpoint: EC50 - Species: Algae > 500 mg/l - Duration h: 72
2,4,7,9-tetramethyldec-5-yne-4,7-diol - CAS: 126-86-3
- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 36 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 88 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 15 mg/l - Duration h: 72
- c) Bacteria toxicity:
Endpoint: EC50 - Species: activated sludge = 630 mg/l - Duration h: 0.5
- 12.2. Persistence and degradability
No data available
- 12.3. Bioaccumulative potential
No data available
- 12.4. Mobility in soil
No data available
- 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

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

- 14.1. UN number or ID number
Not classified as dangerous in the meaning of transport regulations.
- 14.2. UN proper shipping name
No data available
- 14.3. Transport hazard class(es)
No data available
- 14.4. Packing group
No data available
- 14.5. Environmental hazards
No data available
- 14.6. Special precautions for user
No data available
- 14.7. Maritime transport in bulk according to IMO instruments
No data available

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)
 Regulation (EU) n. 2021/643 (ATP 16 CLP)
 Regulation (EC) n. 2021/849 (ATP 17 CLP)
 Regulation (EC) 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 3

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:

H319 Causes serious eye irritation.

H360 May damage fertility or the unborn child.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

H330 Fatal if inhaled.

H311 Toxic in contact with skin.

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH071 Corrosive to the respiratory tract.

| Hazard class and hazard category | Code | Description |
|----------------------------------|--------------|---|
| Acute Tox. 2 | 3.1/2/Inhal | Acute toxicity (inhalation), Category 2 |
| Acute Tox. 3 | 3.1/3/Dermal | Acute toxicity (dermal), Category 3 |
| Acute Tox. 3 | 3.1/3/Oral | Acute toxicity (oral), Category 3 |
| Skin Corr. 1B | 3.2/1B | Skin corrosion, Category 1B |
| Eye Dam. 1 | 3.3/1 | Serious eye damage, Category 1 |

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|-------------------|----------|--|
| Eye Irrit. 2 | 3.3/2 | Eye irritation, Category 2 |
| Skin Sens. 1A | 3.4.2/1A | Skin Sensitisation, Category 1A |
| Skin Sens. 1B | 3.4.2/1B | Skin Sensitisation, Category 1B |
| Repr. 1B | 3.7/1B | Reproductive toxicity, Category 1B |
| Aquatic Acute 1 | 4.1/A1 | Acute aquatic hazard, category 1 |
| Aquatic Chronic 1 | 4.1/C1 | Chronic (long term) aquatic hazard, category 1 |
| Aquatic Chronic 3 | 4.1/C3 | Chronic (long term) aquatic hazard, category 3 |

Paragraphs modified from the previous revision:

SECTION 1: Identification of the substance/mixture and of the company/undertaking
 SECTION 3: Composition/information on ingredients
 SECTION 8: Exposure controls/personal protection
 SECTION 11: Toxicological information
 SECTION 12: Ecological information
 SECTION 16: Other 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 |
|---|--------------------------|
| Repr. 1B, H360 | 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

- Ref. 1
- IARC Monographs on the Evaluation Carcinogenic Risks to Humans (IARC: International Agency for Research on Cancer)
 - Journal of Occupational Health (JOH) (Japan Society of Occupational Health (JSOH))
 - TLVs and BEIs (ACGIH: American Conference of Governmental Industrial Hygienists)
 - IRIS Carcinogenic Assessment (IRIS: Integrated Risk Information System of US EPA)
 - National Toxicology Program (NTP) Report on Carcinogens (USA)
 - Annex VI of REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
 - MAK und BAT Werte Liste (DFG: German Research Foundation)
 - TRGS 905, Verzeichnis krebserzeugender, keimzell mutagener oder reproduktionstoxischer Stoffe (AGS: Committee on Hazardous Substances, Germany)

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.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
 ATE: Acute Toxicity Estimate
 ATEmix: Acute toxicity Estimate (Mixtures)

Safety Data Sheet

| | |
|-------------|---|
| 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. |