



Safety Data Sheet Clear WB Extreme Impregnatingagent

Safety Data Sheet dated 3/25/2022, version 1




1. Identification

GHS Product identifier
Mixture identification:
Trade name: Clear WB Extreme Impregnatingagent
Other means of identification
Trade code: 7IWC1350
Recommended use and restrictions on use
Recommended use: Surface coating
Uses advised against:

Supplier's details
Company:
SIRCA S.p.A.
Viale Roma, 85
35010 S. Dono di Massanzago (PD) - ITALY
Tel. +39 0499322311
Competent person responsible for the safety data sheet:
safety@sirca.it
Emergency phone number
For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
1-800-424-9300 / +1 703-527-3887.

2. Hazard identification

Classification of the hazardous product

-  Warning, Eye Irrit. 2A, Causes serious eye irritation.
-  Warning, Skin Sens. 1, May cause an allergic skin reaction.
- Aquatic Acute 2, Toxic to aquatic life.
-  Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

GHS label elements, including precautionary statements

Hazard pictograms:



Warning
Hazard statements:

- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H401 Toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash your face, hands and every exposed part thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 IF ON SKIN: Wash with plenty of water and soap.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321 Specific treatment (see supplementary instructions on this label).
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P391 Collect spillage.
- P501 Dispose of contents/container in accordance with applicable regulations.

Special provisions

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None
 Other hazards
 None
 Ingredient(s) with unknown acute toxicity
 None.

3. Composition/Information on ingredients

Substances

N.A.

Mixtures

Hazardous components within the meaning of WHMIS 2015 and related classification:

>= 2% - < 2.5% 4-hydroxy-2,2,6,6-tetramethylpiperidinoxyl

REACH No.: 01-2119968566-20-xxxx, CAS: 2226-96-2, EC: 218-760-9



A.3/1 Eye Dam. 1 H318



A.1/4/Oral Acute Tox. 4 H302

>= 1% - < 2% 3-butoxypropan-2-ol; propylene glycol monobutyl ether

REACH No.: 01-2119475527-28-xxxx, Index number: 603-052-00-8, CAS: 5131-66-8, EC: 225-878-4

B.6/4 Flam. Liq. 4 H227



A.2/2 Skin Irrit. 2 H315



A.3/2A Eye Irrit. 2A H319

>= 0.25% - < 0.5% 3-Iodo-2-propynylbutylcarbamate

Index number: 616-212-00-7, CAS: 55406-53-6, EC: 259-627-5



A.1/3/Inhal Acute Tox. 3 H331



A.1/4/Oral Acute Tox. 4 H302



A.9/1 STOT RE 1 H372



A.3/1 Eye Dam. 1 H318



A.4.2/1 Skin Sens. 1 H317



CAN-HAE/A1 Aquatic Acute 1 H400



CAN-HAE/C1 Aquatic Chronic 1 H410

>= 0.25% - < 0.5% Poly(oxy-1,2-ethanediyl),

alpha-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega-hydroxy-]-

CAS: 104810-48-2



A.4.2/1 Skin Sens. 1 H317



CAN-HAE/C2 Aquatic Chronic 2 H411

>= 0.1% - < 0.2% Poly(oxy-1,2-ethanediyl),

alpha-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega-hydroxy-]-

CAS: 104810-47-1



A.4.2/1 Skin Sens. 1 H317



CAN-HAE/C2 Aquatic Chronic 2 H411



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4. First-aid measures

Description of necessary first-aid measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- 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.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed, if necessary

- In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

5. Fire-fighting measures

Suitable and unsuitable extinguishing media

Suitable extinguishing media:

- Water.
- Carbon dioxide (CO₂).

Unsuitable extinguishing media:

- None in particular.

Specific hazards arising from the hazardous product

- Do not inhale explosion and combustion gases.
- Burning produces heavy smoke.

Hazardous combustion products:

None

Explosive properties:

N.A.

Oxidizing properties:

N.A.

Special protective equipment and precautions for fire-fighters

- 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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- Wear personal protection equipment.
- Remove persons to safety.
- See protective measures under point 7 and 8.

Methods and material for containment and cleaning up

- Wash with plenty of water.

7. Handling and storage

Precautions for safe handling

- Avoid contact with skin and eyes, inhalation of vapours and mists.
- Do not use on extensive surface areas in premises where there are occupants.
- 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.

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.
- Storage temperature:
- Store at ambient temperature.

8. Exposure controls/personal protection

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Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

4-hydroxy-2,2,6,6-tetramethylpiperidinoxyl - CAS: 2226-96-2

Worker Industry: 1.2 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 0.3 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 8 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Consumer: 0.3 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 0.2 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 4 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Consumer: 7 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

Worker Professional: 270.5 mg/m³ - Consumer: 33.8 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 44 mg/Kg-bw/day - Consumer: 16 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 8.75 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

3-Iodo-2-propynylbutylcarbamate - CAS: 55406-53-6

Worker Professional: 0.023 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 1.16 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Professional: 2 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

4-hydroxy-2,2,6,6-tetramethylpiperidinoxyl - CAS: 2226-96-2

Target: Fresh Water - Value: 0.03 mg/l

Target: Marine water - Value: 0.003 mg/l

Target: occasional emission - Value: 0.54 mg/l

Target: Freshwater sediments - Value: 0.126 mg/kg

Target: Marine water sediments - Value: 0.0169 mg/kg

Target: Soil (agricultural) - Value: 0.031 mg/kg

Target: Microorganisms in sewage treatments - Value: 430 mg/l

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

Target: Fresh Water - Value: 0.525 mg/l

Target: Marine water - Value: 0.0525 mg/l

Target: Freshwater sediments - Value: 2.36 mg/kg

Target: Marine water sediments - Value: 0.236 mg/kg

Target: Soil (agricultural) - Value: 0.16 mg/kg

Appropriate engineering controls

None

Individual protection measures, such as personal protective equipment (PPE)

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:

Not needed for normal use.

Thermal Hazards:

None

9. Physical and chemical properties

Appearance and colour:	liquid
Odour:	characteristic
Odour threshold:	N.A.
pH:	7.50
Melting point / freezing point:	< 1° C
Initial boiling point and boiling range:	> 55° C
Flash point:	N.A.
Evaporation rate:	N.A.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour pressure:	N.A.
Vapour density:	N.A.
Relative density:	1.0060 Kg/l a 20°C
Solubility in water:	N.A.
Solubility in oil:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	> 250° C
Decomposition temperature:	N.A.
Viscosity:	N.A.

10. Stability and reactivity

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- Reactivity
Stable under normal conditions
- Chemical stability
Stable under normal conditions
- Possibility of hazardous reactions
No dangerous reaction is stored and used appropriately.
- Conditions to avoid
Stable under normal conditions.
- Incompatible materials
None in particular.
- Hazardous decomposition products
None.

11. Toxicological information

Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

4-hydroxy-2,2,6,6-tetramethylpiperidinoxyl - CAS: 2226-96-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1053 mg/kg - Notes: (OECD - Guide line 401)

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

b) skin corrosion/irritation:

Test: Skin Corrosive - Species: Rabbit Negative - Notes: (OECD - Guide Line 404)

c) serious eye damage/irritation:

Test: Eye Corrosive - Species: Rabbit Positive - Notes: (OECD - Guide Line 405)

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Species: Cavia porcellus Negative - Notes: (OECD - Guide Line 406)

Test: Inhalation Sensitization - Species: Cavia porcellus Negative - Notes: (OECD - Guide Line 406)

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 3300 mg/kg

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

Test: LC50 - Route: Inhalation - Species: Rat > 3.4 mg/l - Duration: 4h

3-Iodo-2-propynylbutylcarbamate - CAS: 55406-53-6

a) acute toxicity:

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

Test: LD50 - Route: Skin - Species: Rat = 1470 mg/kg

Test: LD50 - Route: Oral - Species: Rat Female = 1056 mg/kg

Test: LD50 - Route: Oral - Species: Rat male = 1795 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 0.763 g/m³ - Duration: 4h

Test: NOAEL - Route: Oral - Species: Rat 20 mg/kg

b) skin corrosion/irritation:

Test: Eye Irritant - Species: Rabbit Yes

Test: Skin Irritant - Species: Rabbit Yes

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Species: Cavia porcellus No

e) germ cell mutagenicity:

Test: Mutagenesis - Species: Generic Bacteria Negative

Poly(oxy-1,2-ethanediyl), alpha-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega-hydroxy-]- - CAS: 104810-48-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: (OECD Guideline 401) - Notes: No mortality was observed

Test: LC0 - Route: Inhalation - Species: Rat > 5.8 mg/l - Duration: 14 d - Notes: No mortality was observed

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: (OECD Guideline 402) - Notes: No mortality was observed

b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit Negative - Source: (OECD Guideline 405) - Notes: Assessment of irritating effects: may cause slight irritation to the skin.

c) serious eye damage/irritation:

Test: Eye Irritant - Species: Rabbit Negative - Source: (OECD Guideline 404) - Notes: Assessment of irritating effects: May cause slight irritation to the eyes

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Species: Cavia porcellus Positive - Source: (OECD Guideline 405)

Poly(oxy-1,2-ethanediyl),

a-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega-]- - CAS: 104810-47-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: (OECD Guideline 401) - Notes: No mortality was observed

Test: LC0 - Route: Inhalation - Species: Rat > 5.8 mg/l - Duration: 14 d - Notes: No mortality was observed

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: (OECD Guideline 402) - Notes: No mortality was observed

b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit Negative - Source: (OECD Guideline 405) - Notes: Assessment of irritating effects: may cause slight irritation to the skin.



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c) serious eye damage/irritation:

Test: Eye Irritant - Species: Rabbit Negative - Source: (OECD Guideline 404) - Notes: Assessment of irritating effects: May cause slight irritation to the eyes

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Species: Cavia porcellus Positive - Source: (OECD Guideline 405)

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

None.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

12. Ecological information

Ecotoxicity

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

4-hydroxy-2,2,6,6-tetramethylpiperidinoxyl - CAS: 2226-96-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 545 mg/l - Notes: (OECD - Guide Line 203)

Endpoint: EC50 - Species: Daphnia = 54 mg/l

Endpoint: EC50 - Species: Algae = 1038 mg/l - Duration h: 72

Endpoint: CE10 - Species: Algae = 125 mg/l - Duration h: 72

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia 1.5 ml/l - Notes: (OECD - Guide line 203 - part 2)

f) Effects in sewage plants:

Endpoint: CE10 - Species: Active mud = 430 mg/l

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 96

3-Iodo-2-propynylbutylcarbamate - CAS: 55406-53-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 0.16 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 0.022 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 0.067 mg/l - Duration h: 96

Endpoint: NOEC - Species: Algae 0.0046 mg/l - Duration h: 72

Poly(oxy-1,2-ethanediyl), alpha-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega-hydroxy]- - CAS: 104810-48-2

a) Aquatic acute toxicity:

Species: Daphnia = 1 mg/l - Notes: 21 d

Poly(oxy-1,2-ethanediyl),

a-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]- - CAS: 104810-47-1

a) Aquatic acute toxicity:

Species: Daphnia = 1 mg/l - Notes: 21 d

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

None

13. Disposal considerations

Safe handling and methods for disposal

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

14. Transport information

UN number

ADR-UN number: 3082

DOT-UN number: 3082

IATA-Un number: 3082

IMDG-Un number: 3082

UN proper shipping name

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

DOT-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

IATA-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

IMDG-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.



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Transport hazard class(es)

ADR-Class: 9
ADR-Label: 9
DOT-Class 9
DOT-Labels: 9
ADR - Hazard identification number: 90
IATA-Class: 9
IATA-Label: 9
IMDG-Class: 9

Packing group

ADR-Packing Group: III
DOT-Packing Group: III
IATA-Packing group: III
IMDG-Packing group: III

Environmental hazards

ADR-Environmental Pollutant: Yes
IMDG-Marine pollutant: Marine pollutant

Most important toxic component: 4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid.

Special precautions

ADR-Tunnel Restriction Code: 3 (E)
DOT-8, 146, 173, 335, IB3, T4, TP1, TP29
IATA-Passenger Aircraft: 964
IATA-Cargo Aircraft: 964
IMDG-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IMDG-EMS: F-A , S-F

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

No

15. Regulatory information

Safety, health and environmental regulations specific for the product in question

This Safety Data Sheet has been prepared according to the Hazardous Products Regulations (HPR) - WHMIS 2015.

NPRI - National Pollutant Release Inventory

Substance(s) listed under NPRI:

None.

DSL inventory - Domestic substances list

All the components are listed in the DSL.

NDSL inventory - Not Domestic substances list

List of Components included in the NDSL (Not Domestic substances list)

no substances listed

TSCA inventory

All the components are listed on the TSCA inventory.

TSCA listed substances:

3-butoxypropan-2-ol; propylene glycol monobutyl ether is listed in TSCA Section 8d.

USA - Federal regulations

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.

Section 304 – Hazardous substances: no substances listed.

Section 313 – Toxic chemical list: 3-Iodo-2-propynylbutylcarbamate.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

CAA - Clean Air Act

CAA listed substances:

None.

CWA - Clean Water Act

CWA listed substances:

3-Iodo-2-propynylbutylcarbamate is listed in CWA Section 304.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

No substances listed.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

3-Iodo-2-propynylbutylcarbamate.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

No substances listed.



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16. Other information

Text of phrases referred to under heading 3:

- H318 Causes serious eye damage.
- H302 Harmful if swallowed.
- H227 Combustible liquid.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H317 May cause an allergic skin reaction.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

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Disclaimer:

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. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

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)
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.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
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.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
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