**Safety Data Sheet**
**MAPEAIR 154 (NA)**
Safety Data Sheet dated: 09/24/2025 - version 1
Date of first edition: 09/24/2025

## 1. IDENTIFICATION

**Product identifier used on the label**

Mixture identification:

Trade name: MAPEAIR 154 (NA)

Trade code: 9008726

**Recommended use of the chemical and restrictions on use**

Recommended use: Admixture for concrete

Restrictions on use: Not available

**Name, U.S. address, and U.S. telephone number of the chemical manufacturer, importer, or other responsible party**

Company: MAPEI CORP. (USA and Puerto Rico)

1144 East Newport Center Drive - 33442 - Deerfield Beach - FL - USA

Phone: 954-246-8888

Responsible: RDProductSafety@mapei.com

**Emergency 24 hour numbers:**

Emergency Number (USA/Canada) CHEMTREC 1(800) 424-9300 / 1(703) 527-3887

Emergency Transport CANUTEC (Canada) 1-613-996-6666

## 2. HAZARD(S) IDENTIFICATION

**Classification of the chemical**

| | |
|---|---|
| Eye irritation, Category 2A | Causes serious eye irritation. |

**Label elements**

**Hazard pictograms and Signal Word**

Warning

**Hazard statements**

| | |
|---|---|
| H319 | Causes serious eye irritation. |

**Precautionary statements**

| | |
|---|---|
| P264 | Wash skin thoroughly after handling. |
| P280 | Wear protective gloves/clothing and eye/face protection. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | UN5$P337+P313 |

**Hazards associated with foreseeable chemical reactions**

None

**Ingredient(s) with unknown acute toxicity:**

None

**Hazards not otherwise classified identified during the classification process:**

None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substances**

Not Relevant

**Mixtures**

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

**List of components**

| Qty | Name | Ident. Numb. | Classification |
|---|---|---|---|
| ≥3 - <5 % | resin acids and Rosin acids, potassium salts | CAS:61790-50-9<br>EC:263-142-4 | Eye Irrit. 2A, H319 |
| ≥1 - <2.5 % | sodium c14-16 olefin sulfonate; Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | CAS:68439-57-6<br>EC:931-534-0 | Skin Irrit. 2, H315; Eye Dam. 1, H318 |
| ≥1 - <2.5 % | diethylene glycol; 2,2'-oxydiethanol | CAS:111-46-6<br>EC:203-872-2<br>EU CLP Index:603-140-00-6 | Acute Tox. 4, H302 |

The actual concentration of the components listed above is withheld as a trade secret.

## 4. FIRST AID MEASURES

**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 of 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 opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

**Most important symptoms/effects, acute and delayed**

Eye irritation

Eye damages

**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:

(see paragraph 4.1)

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media**

Suitable extinguishing media:

Water.

Carbon dioxide ($CO_2$).

**Unsuitable extinguishing media:**

None in particular.

**Specific hazards arising from the chemical**

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: Not available

Explosive properties: Not available

Oxidizing properties: Not available

**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.

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

**Methods and material for containment and cleaning up**

Suitable material for taking up: absorbing material, organic, sand

Retain contaminated washing water and dispose it.

## 7. HANDLING AND STORAGE

**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.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

**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: Not available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Occupational Exposure Limits (OEL)**

| | OEL Type | Country | Occupational Exposure Limit |
|---|---|---|---|
| diethylene glycol; 2,2'-oxydiethanol<br>CAS: 111-46-6 | MAK | GERMANY | Long Term: 44 mg/m3 - 10 ppm |
| | MAK | AUSTRIA | Long Term: 44 mg/m3 - 10 ppm; Short Term: 176 mg/m3 - 40 ppm |
| | MAK | SWITZERLAND | Long Term: 44 mg/m3 - 10 ppm |

**Predicted No Effect Concentration (PNEC) values**

| | |
|---|---|
| resin acids and Rosin acids, potassium salts<br>CAS: 61790-50-9 | Exposure Route: Fresh Water; PNEC Limit: 0.0054 mg/l |
| | Exposure Route: Marine water; PNEC Limit: 0.00054 mg/l |
| | Exposure Route: Freshwater sediments; PNEC Limit: 0.02 mg/kg |
| | Exposure Route: Marine water sediments; PNEC Limit: 0.002 mg/kg |
| sodium c14-16 olefin sulfonate; Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts<br>CAS: 68439-57-6 | Exposure Route: Fresh Water; PNEC Limit: 0.024 mg/l |
| | Exposure Route: Marine water; PNEC Limit: 0.0024 mg/l |
| | Exposure Route: Freshwater sediments; PNEC Limit: 0.747 mg/kg |
| | Exposure Route: Marine water sediments; PNEC Limit: 0.0767 mg/kg |
| | Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 4 mg/l |
| | Exposure Route: Intermittent release; PNEC Limit: 0.0197 mg/l |
| | Exposure Route: Soil; PNEC Limit: 1.21 mg/kg |
| diethylene glycol; 2,2'-oxydiethanol<br>CAS: 111-46-6 | Exposure Route: Fresh Water; PNEC Limit: 10 mg/l |
| | Exposure Route: Marine water; PNEC Limit: 1 mg/l |
| | Exposure Route: Freshwater sediments; PNEC Limit: 20.9 mg/kg |
| | Exposure Route: Soil; PNEC Limit: 1.53 mg/kg |
| | Exposure Route: Intermittent release; PNEC Limit: 10 mg/l |

| | |
|---|---|
| | Exposure Route: Marine water sediments; PNEC Limit: 2.09 mg/kg |
| | Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 199.5 mg/l |

**Derived No Effect Level (DNEL) values**

| | |
|---|---|
| resin acids and Rosin acids, potassium salts<br>CAS: 61790-50-9 | Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects<br>Worker Industry: 176 mg/m3; Consumer: 52 mg/kg |
| | Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects<br>Worker Industry: 25 mg/kg; Consumer: 15 mg/kg |
| | Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects<br>Consumer: 15 mg/kg |
| sodium c14-16 olefin sulfonate; Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts<br>CAS: 68439-57-6 | Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects<br>Worker Industry: 2158.33 mg/kg |
| | Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects<br>Worker Industry: 152.22 mg/m3 |
| | Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects<br>Consumer: 1295 mg/kg |
| | Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects<br>Consumer: 45.04 mg/m3 |
| | Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects<br>Consumer: 12.95 mg/kg |
| diethylene glycol; 2,2'-oxydiethanol<br>CAS: 111-46-6 | Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects<br>Worker Industry: 53 mg/kg; Consumer: 53 mg/kg |
| | Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects<br>Worker Industry: 60 mg/m3; Consumer: 12 mg/m3 |
| | Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects<br>Worker Industry: 60 mg/m3; Consumer: 12 mg/m3 |

Appropriate engineering controls: Not available

**Individual protection measures**

Eye protection:

Use close fitting safety goggles, don't use contact lenses.

Protection for skin:

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

Protection for hands:

Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:

Polychloroprene - CR: thickness >=0,5mm; breakthrough time >=480min.

Nitrile rubber - NBR: thickness >=0,35mm; breakthrough time >=480min.

Butyl rubber - IIR: thickness >=0,5mm; breakthrough time >=480min.

Fluorinated rubber - FKM: thickness >=0,4mm; breakthrough time >=480min.

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

Respiratory protection:

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | |
|---|---|
| Physical state: | Liquid |
| Appearance and colour: | liquid amber |
| Odour: | characteristic |
| Odour threshold: | No data available |
| Melting point / freezing point: | No data available |

| | |
|---|---|
| Initial boiling point and boiling range: | No data available |
| Flammability: | No data available |
| Upper/lower flammability or explosive limits: | No data available |
| Flash point: | No data available |
| Auto-ignition temperature: | No data available |
| Decomposition temperature: | No data available |
| pH: | 10.10 |
| Viscosity: | No data available |
| Kinematic viscosity: | > 20,5 mm2/sec (40 °C) |
| Solubility in water: | very soluble |
| Solubility in oil: | immiscible |
| Partition coefficient (n-octanol/water): | No data available |
| Vapour pressure: | No data available |
| Evaporation rate: | No data available |
| Relative density: | 1.02 g/cm3 |
| Vapour density: | No data available |

**Particle characteristics:**

| | |
|---|---|
| Particle size: | No data available |

**Other information**

| | |
|---|---|
| Explosive properties: | No data available |
| Oxidizing properties: | No data available |
| Solid/gas flammability: | No data available |
| Substance Groups relevant properties: | No data available |
| Miscibility: | No data available |
| Fat Solubility: | No data available |
| Conductivity: | No data available |

## 10. STABILITY AND REACTIVITY

**Reactivity**

Stable under normal conditions

**Chemical stability**

Data not available.

**Possibility of hazardous reactions**

None.

**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 Preparation**

| | |
|---|---|
| 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 irritation, Category 2A(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 on main components of the mixture:**

| | | |
|---|---|---|
| resin acids and Rosin acids, potassium salts | a) acute toxicity | LD50 Skin Rat > 2000 mg/kg |
| sodium c14-16 olefin sulfonate; Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | a) acute toxicity | LC50 Inhalation of aerosol Rat > 52 mg/l 4h |
| | | LD50 Skin Rabbit > 6000 mg/kg |
| | | LD50 Skin Rabbit > 740 mg/kg |
| | | LD50 Oral Rat = 2220 mg/kg |
| diethylene glycol; 2,2'-oxydiethanol | a) acute toxicity | LD50 Skin Rabbit > 2000 mg/kg |

**Substance(s) listed on the IARC Monographs:**

None

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

None

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

None

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

None

## 12. ECOLOGICAL INFORMATION

**Toxicity**

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

Eco-Toxicological Information:

**List of Eco-Toxicological properties of the product**

Not classified for environmental hazards.

Based on available data, the classification criteria are not met

**List of Eco-Toxicological properties of the components**

| Component | Ident. Numb. | Ecotox Data |
|---|---|---|

| | | |
|---|---|---|
| sodium c14-16 olefin sulfonate; Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | CAS: 68439-57-6 - EINECS: 931-534-0 | a) Aquatic acute toxicity : EC50 Algae = 5.2 mg/L 72h |
| | | a) Aquatic acute toxicity : EC50 Daphnia = 4.53 mg/L 48h |
| | | a) Aquatic acute toxicity : LC50 Fish = 4.2 mg/L 96h |
| | | a) Aquatic acute toxicity : LC50 Fish Brachydanio rerio 1 mg/L 96h IUCLID |
| | | a) Aquatic acute toxicity : LC50 Fish Brachydanio rerio = 12.2 mg/L 96h IUCLID |
| diethylene glycol; 2,2'-oxydiethanol | CAS: 111-46-6 - EINECS: 203-872-2 - INDEX: 603-140-00-6 | a) Aquatic acute toxicity : LC50 Fish > 100 mg/L 96 |
| | | a) Aquatic acute toxicity : EC50 Daphnia > 100 mg/L 24 |
| | | a) Aquatic acute toxicity : EC50 Algae > 100 mg/L - 8 d |
| | | b) Aquatic chronic toxicity : NOEC Fish > 100 mg/L - 7 d |
| | | b) Aquatic chronic toxicity : NOEC Daphnia > 100 mg/L - 7 d |
| | | e) Plant toxicity : EC50 = 11779 mg/kg |
| | | b) Aquatic chronic toxicity : NOEC Algae = 2700 mg/L - 8 d |
| | | a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 75200 mg/L 96h EPA |
| | | a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 84000 mg/L 48h IUCLID |

**Persistence and degradability**

| Component | Persitence/Degradability: |
|---|---|
| sodium c14-16 olefin sulfonate; Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Readily biodegradable |

**Bioaccumulative potential**

| Component | Test | Value |
|---|---|---|
| sodium c14-16 olefin sulfonate; Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | BCF - Bioconcentrantion factor | 70.8 |
| | Kow - Partition coefficient | -1.3 |

**Mobility in soil**

N.A.

**Other adverse effects**

N.A.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken 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 re-use empty containers.

## 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

**UN number**

DOT-UN Number: Not Applicable
ADR-UN number: Not Applicable
IATA-Un number: Not Applicable
IMDG-Un number: Not Applicable

**UN proper shipping name**

DOT-Proper Shipping Name: Not Applicable
ADR-Shipping Name: Not Applicable
IATA-Technical name: Not Applicable
IMDG-Technical name: Not Applicable

**Transport hazard class(es)**

DOT-Hazard Class: Not Applicable
ADR-Class: Not Applicable
IATA-Class: Not Applicable
IMDG-Class: Not Applicable

**Packing group**

DOT Packing Group: Not Applicable
ADR-Packing Group: Not Applicable
IATA-Packing group: Not Applicable
IMDG-Packing group: Not Applicable

**Environmental hazards**

Marine pollutant: No
Environmental Pollutant: Not Applicable
DOT-RQ: No

**Transport in bulk according to IMO instruments**

N.A.
Not Applicable

**Special precautions**

Department of Transportation (DOT):
Not Applicable
Road and Rail ( ADR-RID ) :
Not Applicable
Air ( IATA ) :
Not Applicable
Sea ( IMDG ) :
Not Applicable

## 15. REGULATORY INFORMATION

This Safety Data Sheet has been prepared according to the Hazard Communication Standard 2024 (HCS 2024)

### USA - Federal regulations

**TSCA - Toxic Substances Control Act**

All the components are listed on the TSCA inventory

**TSCA listed substances:**

| | | |
|---|---|---|
| resin acids and Rosin acids, potassium salts | is listed in TSCA | Section 8b |
| sodium c14-16 olefin sulfonate; Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | is listed in TSCA | Section 8b |
| diethylene glycol; 2,2'-oxydiethanol | is listed in TSCA | Section 8b Section 5 |

**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:**

No substances listed

**CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act**

**Substance(s) listed under CERCLA:**

No substances listed

**CAA - Clean Air Act**

**CAA listed substances:**

| | | |
|---|---|---|
| diethylene glycol; 2,2'-oxydiethanol | is listed in CAA | Section 112(b) - HON |

**CWA - Clean Water Act**

**CWA listed substances:**

No substances listed

## USA - State specific regulations

**California Proposition 65**

**Substance(s) listed under California Proposition 65:**

No substances listed

**Massachusetts Right to know**

**Substance(s) listed under Massachusetts Right to know:**

No substances listed

**Pennsylvania Right to know**

**Substance(s) listed under Pennsylvania Right to know:**

diethylene glycol; 2,2'-oxydiethanol

**New Jersey Right to know**

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

No substances listed

## Canada - Federal regulations

**DSL - Domestic Substances List**

All the substances are listed in the DSL.

**NDSL - Non Domestic Substances List**

This product complies with NDSL inventory

**NPRI - National Pollutant Release Inventory**

**NPRI (National Pollutant Release Inventory) - List of substances listed.**

No substances listed

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## 16. OTHER INFORMATION

Safety Data Sheet dated: 9/24/2025 - version 1

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

| Code | Description |
|---|---|
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |

| Code | Hazard class and hazard category | Description |
|---|---|---|
| A.1/4/Oral | Acute Tox. 4 | Acute toxicity (oral), Category 4 |
| A.2/2 | Skin Irrit. 2 | Skin irritation, Category 2 |
| A.3/1 | Eye Dam. 1 | Serious eye damage, Category 1 |

| | | |
|---|---|---|
| A.3/2A | Eye Irrit. 2A | Eye irritation, Category 2A |

**Legend to abbreviations and acronyms used in the safety data sheet:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
IMDG: International Maritime Code for Dangerous Goods.
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).
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
CLP: Classification, Labeling, Packaging.
EU CLP Index: Index number as reported in Annex VI to EU Reg. 1272/2008
EINECS: European Inventory of Existing Commercial Chemical Substances.
INCI: International Nomenclature of Cosmetic Ingredients.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
GefStoffVO: Ordinance on Hazardous Substances, Germany.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
DNEL: Derived No Effect Level.
PNEC: Predicted No Effect Concentration.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
WGK: German Water Hazard Class.
KSt: Explosion coefficient.