

SECTION 1: Identification

1.1. Identification

Product name : #1 REMOVER
Product code : P303531U

1.2. Recommended use and restrictions on use

Recommended use : Floor finish remover
Restrictions on use : Industrial and Institutional use only

1.3. Supplier

Project Clean Inc.
2330 Industrial Parkway SW
Dyersville, IA 52040
T 1 800 663 9925
regulatory@projectclean.com - www.projectclean.com

1.4. Emergency telephone number

| Country | Organization/Company | Address | Emergency number | Comment |
|---------|---------------------------------------|--|--|--|
| USA | CHEMTREC Chemical Emergency | www.chemtrec.com | 1 800 424 9300 | 24hr/day 7days/week within USA and Canada |
| USA | CANUTEC Transportation Emergencies | www.canutec.com | 1 613 996 6666 *666 on a cell phone | 24hr/day 7days/week within USA and Canada |

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation Category 1 H314 Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category 1 H318 Causes serious eye damage
Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

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| | |
|-----------------------------------|---|
| Hazard statements (GHS US) | : H314 - Causes severe skin burns and eye damage H318 - Causes serious eye damage |
| Precautionary statements (GHS US) | : P260 - Do not breathe fume, mist, vapours, or spray. P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective gloves, protective clothing, eye protection, or face protection. P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a poison center or doctor. P321 - Specific treatment (see supplemental first aid instruction on the product SDS). P363 - Wash contaminated clothing before reuse. P405 - Store locked up. P501 - Dispose of contents and or container to an approved waste disposal plant in accordance with county, state or federal regulations. |

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % |
|------------------|--------------------|--------|
| Benzyl Alcohol | CAS-No.: 100-51-6 | 7 – 13 |
| 2-Phenoxyethanol | CAS-No.: 122-99-6 | 3 – 7 |
| Monoethanolamine | CAS-No.: 141-43-5 | 3 – 7 |
| Sodium hydroxide | CAS-No.: 1310-73-2 | 1 – 5 |

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| Name | Product identifier | % |
|----------------------------------|---------------------|-----------|
| Caprylic acid | CAS-No.: 124-07-2 | 1 – 5 |
| Sodium (C14-16) olefin sulfonate | CAS-No.: 68439-57-6 | 1 – 5 |
| Sodium xylenesulphonate | CAS-No.: 1300-72-7 | 1 – 5 |
| Disodium metasilicate | CAS-No.: 6834-92-0 | 0.5 – 1.5 |

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures general : Call a physician immediately.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Rinse skin with water or shower. Remove or Take off immediately all contaminated clothing. Call a physician immediately.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

- Expected Symptoms/Effects, Acute and Delayed : May cause skin irritation, dermatitis, or skin burns.
May cause dermatitis, eye irritation, corneal edema and chemical burns.
- Symptoms/effects after skin contact : Burns.
- Symptoms/effects after eye contact : Serious damage to eyes.
- Symptoms/effects after ingestion : Burns.
- Chronic symptoms : Cracking of the skin. Irritation of the eye tissue.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

- Hazardous decomposition products in case of fire : Toxic fumes may be released.

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5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes. Do not handle until all safety precautions have been read and understood. Clean up any spills as soon as possible, using an absorbent material to collect it.

6.1.1. For non-emergency personnel

Protective equipment : Gloves (EN 374). Protective clothing (EN 14605 or EN 13034). Chemical goggles or face shield with safety glasses.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe fume, mist, vapours, or spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Total impervious protective suits, gloves, and boots must be worn to prevent any contact with the product. For further information refer to section 8: "Exposure controls or personal protection".

Emergency procedures : Ventilate area. Evacuate unnecessary personnel. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe fume, mist, vapours, or spray. Wear personal protective equipment.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store locked up. Store in dry, cool, well-ventilated area.
- Incompatible products : Strong acids.
- Incompatible materials : Metals.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| | |
|--|----------------------------------|
| #1 REMOVER | |
| No additional information available | |
| Disodium metasilicate (6834-92-0) | |
| No additional information available | |
| Sodium hydroxide (1310-73-2) | |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Sodium hydroxide |
| ACGIH OEL C | 2 mg/m ³ |
| Remark (ACGIH) | TLV® Basis: URT, eye, & skin irr |
| Regulatory reference | ACGIH 2022 |
| USA - OSHA - Occupational Exposure Limits | |
| Local name | Sodium hydroxide |
| OSHA PEL TWA [1] | 2 mg/m ³ |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| 2-Phenoxyethanol (122-99-6) | |
| No additional information available | |

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| | |
|--|----------------------------|
| Monoethanolamine (141-43-5) | |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Ethanolamine |
| ACGIH OEL TWA [ppm] | 3 ppm |
| ACGIH OEL STEL [ppm] | 6 ppm |
| Remark (ACGIH) | TLV® Basis: Eye & skin irr |
| Regulatory reference | ACGIH 2022 |
| USA - OSHA - Occupational Exposure Limits | |
| Local name | Ethanolamine |
| OSHA PEL TWA [1] | 6 mg/m ³ |
| OSHA PEL TWA [2] | 3 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| Benzyl Alcohol (100-51-6) | |
| No additional information available | |
| Caprylic acid (124-07-2) | |
| No additional information available | |
| Sodium (C14-16) olefin sulfonate (68439-57-6) | |
| No additional information available | |
| Sodium xylenesulphonate (1300-72-7) | |
| No additional information available | |

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

| |
|--|
| Materials for protective clothing: |
| Nitrile rubber/PVC |
| Hand protection: |
| Protective gloves against chemicals (EN 374) |

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| |
|--|
| Eye protection: |
| Safety glasses |
| Skin and body protection: |
| Wear suitable protective clothing |
| Respiratory protection: |
| In case of insufficient ventilation, wear suitable respiratory equipment |

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|--|
| Physical state | : Liquid |
| Appearance | : Clear, Colorless liquid. |
| Color | : Colorless |
| Odor | : Amine-like odour |
| Odor threshold | : No data available |
| pH | : > 12 |
| Melting point | : No data available |
| Freezing point | : No data available |
| Initial boiling point and boiling range | : No data available |
| Flash point | : > 100 °C |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Upper and lower flammability or explosive limit | : No data available Not applicable. |
| Vapor pressure | : No data available |
| Relative vapor density at 20°C | : No data available |
| Relative density | : 1.05 – 1.1 |
| Solubility | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : Not self-igniting |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : Thin like water |
| Explosion limits | : No data available |

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Explosive properties : Not explosive.
Oxidizing properties : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong acids. Metals.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

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|-----------------------------------|--|
| ATE US (oral) | 4507 mg/kg body weight |
| ATE US (dermal) | 9786 mg/kg body weight |
| ATE US (vapors) | 12.5 mg/l/4h |
| ATE US (dust, mist) | 12.5 mg/l/4h |
| Disodium metasilicate (6834-92-0) | |
| LD50 oral rat | 1152 - 1349 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 7 day(s)) |

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| | |
|--|--|
| Disodium metasilicate (6834-92-0) | |
| LD50 dermal rat | > 5000 mg/kg body weight (EPA OPPTS 870.1200: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | > 2.06 mg/l (EPA OPPTS 870.1300: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) |
| Sodium hydroxide (1310-73-2) | |
| LD50 dermal rabbit | 1350 mg/kg |
| 2-Phenoxyethanol (122-99-6) | |
| LD50 oral rat | 1850 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | 14391 mg/kg (24 h, Rat, Male / female, Dermal, 48 day(s)) |
| LD50 dermal rabbit | > 2214 mg/kg body weight Animal: rabbit, Guideline: other: |
| LC50 Inhalation - Rat | > 1 mg/l (OECD 412: Repeated Dose Inhalation Toxicity:28/14-Day, 6 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s)) |
| Monoethanolamine (141-43-5) | |
| LD50 oral rat | 1089 mg/kg Source: OECD SIDS |
| LD50 dermal rabbit | 2504 mg/kg Source: OECD SIDS |
| Benzyl Alcohol (100-51-6) | |
| LD50 oral rat | 1620 mg/kg bw/day (Rat, Male, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | 2000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg (EPA OTS 798.1100, Rabbit, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | > 4.18 mg/l/4h (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, (maximum achievable concentration), Inhalation (aerosol), 14 day(s)) |

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| | |
|--|---|
| Caprylic acid (124-07-2) | |
| LD50 oral rat | > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | > 5000 mg/kg Source: IUCLID |
| Sodium (C14-16) olefin sulfonate (68439-57-6) | |
| LD50 oral rat | 290 mg/kg Source: International Uniform Chemical Information Database |
| LC50 Inhalation - Rat | > 52 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other: |
| Sodium xylenesulphonate (1300-72-7) | |
| LD50 oral rat | > 7000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | > 2000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | > 6.41 mg/l (Equivalent or similar to OECD 403, 232 minutes, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s)) |
| Skin corrosion/irritation | : Causes severe skin burns. |
| Serious eye damage/irritation | : Causes serious eye damage. |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Sodium (C14-16) olefin sulfonate (68439-57-6) | |
| NOAEL (chronic,oral,animal/male,2 years) | ≥ 195 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other: |
| NOAEL (chronic,oral,animal/female,2 years) | ≥ 259 mg/kg body weight Animal: rat, Animal sex: female, Remarks on results: other: |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| Disodium metasilicate (6834-92-0) | |
| STOT-single exposure | May cause respiratory irritation. |
| STOT-repeated exposure | : Not classified |

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| | |
|--|--|
| Disodium metasilicate (6834-92-0) | |
| NOAEL (oral,rat,90 days) | 227 – 237 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| 2-Phenoxyethanol (122-99-6) | |
| LOAEL (oral,rat,90 days) | > 700 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) |
| LOAEL (dermal,rat/rabbit,90 days) | > 500 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study) |
| NOAEL (dermal,rat/rabbit,90 days) | 500 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study) |
| Benzyl Alcohol (100-51-6) | |
| NOAEL (oral,rat,90 days) | 400 mg/kg body weight Animal: rat, Guideline: other: |
| Aspiration hazard | : Not classified |
| Viscosity, kinematic | : No data available |
| Likely routes of exposure | : Skin and eye contact. Ingestion. |
| Expected Symptoms/Effects, Acute and Delayed | : May cause skin irritation, dermatitis, or skin burns. May cause dermatitis, eye irritation, corneal edema and chemical burns. |
| Symptoms/effects after skin contact | : Burns. |
| Symptoms/effects after eye contact | : Serious damage to eyes. |
| Symptoms/effects after ingestion | : Burns. |
| Chronic symptoms | : Cracking of the skin. Irritation of the eye tissue. |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

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| | |
|--|---|
| Disodium metasilicate (6834-92-0) | |
| LC50 - Fish [1] | 210 mg/l (ISO 7346-1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value) |
| EC50 - Crustacea [1] | 1700 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) |
| Sodium hydroxide (1310-73-2) | |
| LC50 - Fish [1] | 125 mg/l |
| EC50 - Crustacea [1] | 40.4 mg/l Source: ECHA |
| 2-Phenoxyethanol (122-99-6) | |
| LC50 - Fish [1] | 220 - 460 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 96 h, Leuciscus idus, Static system, Fresh water, Experimental value, Nominal concentration) |
| EC50 - Crustacea [1] | > 500 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Behaviour) |
| ErC50 algae | > 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration) |
| Monoethanolamine (141-43-5) | |
| LC50 - Fish [1] | 170 mg/l Source: OECD SIDS |
| EC50 - Crustacea [1] | 32.6 mg/l |
| ErC50 algae | 2.1 mg/l Source: ECHA |
| Benzyl Alcohol (100-51-6) | |
| LC50 - Fish [1] | 460 mg/l (EPA OPP 72-1, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, Nominal concentration) |
| EC50 - Crustacea [1] | 230 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Fresh water, Experimental value, Locomotor effect) |
| ErC50 algae | 770 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |
| NOEC chronic fish | 48897 mg/l Test organisms (species): other: Duration: '30 d' |

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|--|---|
| Caprylic acid (124-07-2) | |
| LC50 - Fish [1] | 22 mg/l (US EPA, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value, Lethal) |
| EC50 - Crustacea [1] | > 20 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) |
| Sodium (C14-16) olefin sulfonate (68439-57-6) | |
| LC50 - Fish [1] | 4.2 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | 4.53 mg/l Test organisms (species): Ceriodaphnia sp. |
| LOEC (chronic) | 20 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | 6.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| Sodium xylenesulphonate (1300-72-7) | |
| LC50 - Fish [1] | > 1000 mg/l (EPA OTS 797.1400, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value) |
| EC50 - Crustacea [1] | > 1000 mg/l (EPA OTS 797.1300, 48 h, Daphnia magna, Static system, Fresh water, Experimental value) |

12.2. Persistence and degradability

Persistence and degradability Not established.

| | |
|--|--|
| Disodium metasilicate (6834-92-0) | |
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable (inorganic) |
| ThOD | Not applicable (inorganic) |
| 2-Phenoxyethanol (122-99-6) | |
| Persistence and degradability | Readily biodegradable in water. |
| Benzyl Alcohol (100-51-6) | |
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |
| Caprylic acid (124-07-2) | |
| Persistence and degradability | Readily biodegradable in water. |

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|--|------------------------------------|
| Caprylic acid (124-07-2) | |
| Biochemical oxygen demand (BOD) | 1.27 g O ₂ /g substance |
| Sodium xylenesulphonate (1300-72-7) | |
| Persistence and degradability | Readily biodegradable in water. |

12.3. Bioaccumulative potential

Bioaccumulative potential

No test data available.

| | |
|---|---|
| Disodium metasilicate (6834-92-0) | |
| Partition coefficient n-octanol/water (Log Pow) | -5.65 |
| Bioaccumulative potential | Not bioaccumulative. |
| Sodium hydroxide (1310-73-2) | |
| Partition coefficient n-octanol/water (Log Pow) | -3.88 Source: SRC |
| 2-Phenoxyethanol (122-99-6) | |
| Partition coefficient n-octanol/water (Log Pow) | 1.2 (Experimental value, EU Method A.8: Partition Coefficient, 23 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| Monoethanolamine (141-43-5) | |
| Partition coefficient n-octanol/water (Log Pow) | -1.31 Source: ICSC |
| Benzyl Alcohol (100-51-6) | |
| BCF - Fish [1] | 1.37 l/kg (BCFBAF v3.01, Estimated value) |
| Partition coefficient n-octanol/water (Log Pow) | 1 – 1.1 (Experimental value, 20 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| Caprylic acid (124-07-2) | |
| BCF - Fish [1] | 234 – 288 (Equivalent or similar to OECD 305, 28 day(s), Danio rerio, Flow-through system, Fresh water, Experimental value) |
| Partition coefficient n-octanol/water (Log Pow) | 3.05 (Experimental value) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

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|--|---|
| Sodium (C14-16) olefin sulfonate (68439-57-6) | |
| Partition coefficient n-octanol/water (Log Pow) | 4.49 Source: Quantitative Structure Activity Relation |
| Sodium xylenesulphonate (1300-72-7) | |
| Partition coefficient n-octanol/water (Log Pow) | -3.12 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C) |
| Bioaccumulative potential | Not bioaccumulative. |

12.4. Mobility in soil

Ecology - soil

No (test) data on mobility of the substance available.

| | |
|--|---|
| Disodium metasilicate (6834-92-0) | |
| Surface tension | No data available in the literature |
| Ecology - soil | Low potential for adsorption in soil. |
| 2-Phenoxyethanol (122-99-6) | |
| Surface tension | 70.7 mN/m (20 °C, 1 g/l, EU Method A.5: Surface tension) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.6 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP) |
| Ecology - soil | Highly mobile in soil. |
| Benzyl Alcohol (100-51-6) | |
| Surface tension | 39 mN/m (20 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.122 – 1.332 (log Koc, SRC PCKOCWIN v2.0, QSAR) |
| Ecology - soil | Highly mobile in soil. |
| Caprylic acid (124-07-2) | |
| Surface tension | 33.7 mN/m (23 °C, 0.6 g/l, EU Method A.5: Surface tension) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.46 (log Koc, SRC PCKOCWIN v2.0, QSAR) |
| Ecology - soil | Highly mobile in soil. |
| Sodium xylenesulphonate (1300-72-7) | |
| Surface tension | 71 mN/m (20 °C, 90 %, EU Method A.5: Surface tension) |

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| Sodium xylenesulphonate (1300-72-7) | |
|--|---|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.42 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil | Highly mobile in soil. |

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

| | |
|--|--|
| Regional legislation (waste) | : Disposal must be done according to official regulations. |
| Waste treatment methods | : Dispose of contents and or container in accordance with licensed collector's sorting instructions. |
| Product/Packaging disposal recommendations | : Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations. |
| Ecology - waste materials | : Avoid release to the environment. |

SECTION 14: Transport information

14.1. UN number

DOT NA No : UN2491

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Ethanolamine solutions

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : 8

Hazard labels (DOT) : 8



14.4. Packing group

Packing group (DOT) : III

14.5. Environmental hazards

Other information : No supplementary information available.

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14.6. Special precautions for user

| | |
|--|--|
| DOT | |
| UN-No.(DOT) | : UN2491 |
| DOT Special Provisions (49 CFR 172.102) | : IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. |
| DOT Packaging Exceptions (49 CFR 173.xxx) | : 154 |
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : 203 |
| DOT Packaging Bulk (49 CFR 173.xxx) | : 241 |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 5 L |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | : 60 L |
| DOT Vessel Stowage Location | : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel. |
| DOT Vessel Stowage Other | : 52 - Stow "separated from" acids |

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

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Sodium hydroxide (1310-73-2)

| | |
|-----------|---------|
| CERCLA RQ | 1000 lb |
|-----------|---------|

15.2. International regulations

No additional information available

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15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

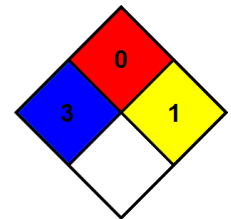
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| Full text of H-phrases | |
|------------------------|---|
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |

NFPA health hazard : 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.



It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. Project Clean Inc. will accept no liability for damages or loss incurred from the improper handling and use of this product.

The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.