# SAFETY DATA SHEET

ACP Floor Conditioner & Neutralizer Concentrate

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

### 1.1 Product identifier

**Product name** : ACP Floor Conditioner & Neutralizer Concentrate

**Product code** : 2-4315, # 11

**Product description** : Liquid Floor Cleaning Compound

**Product type** : Liquid.

**Other means of identification** : Not available.

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses**

Not applicable.

**Uses advised against**

Not applicable.

### 1.3 Details of the supplier of the safety data sheet

Aqua ChemPacs, LLC
2693 Philmont Avenue
Huntingdon Valley, PA 19006
(888)964-2080
Other supplier/autre fournisseur
HMIRA Registry # 03383201
Filing date 2020-08-07

**e-mail address of person responsible for this SDS** : lab@chempacs.com

**National contact**

Edit the content of sentence <GB National Contact> to define this output

### 1.4 Emergency telephone number

**National advisory body/Poison Center**

**Telephone number** : Edit the content of sentence <GB Telephone Number - Poison Center> to define this output

**Supplier**

**Telephone number** : 888-964-2080

**Hours of operation** : Edit the content of sentence <GB Telephone Number - Supplier - Hours of operation> to define this output

**Information limitations** : Edit the content of sentence <GB Telephone Number - Supplier - Information limitations> to define this output

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

**Classification according to UK CLP/GHS**

Flam. Liq. 3, H226
Skin Irrit. 2, H315
Eye Dam. 1, H318
Aquatic Chronic 2, H411

# SECTION 2: Hazards identification

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.The hazard classification and label elements reflect the intrinsic properties of the concentrated product as supplied, which is sealed in a water soluble sachet. The following precautinary statements are appliucable under conditrions of the potential exposure to the large quantities of product (spills over 5 gallons), or handling damaged sachets (full skid). Handling undamaged pouches of product under normal conditions according to instructions does not present any exposure to concentrate, no PPE is required (applicable to Sections 5, 6 and 11 of the current SDS).

**Ingredients of unknown toxicity** : 7.5 percent of the mixture consists of component(s) of unknown acute oral toxicity
89.5 percent of the mixture consists of component(s) of unknown acute dermal toxicity
92.5 percent of the mixture consists of component(s) of unknown acute inhalation toxicity

**Ingredients of unknown ecotoxicity** : Contains 10% of components with unknown hazards to the aquatic environment

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

## 2.2 Label elements

**Hazard pictograms** :

**Signal word** : Danger

**Hazard statements** : Flammable liquid and vapor.
Causes skin irritation.
Causes serious eye damage.
Toxic to aquatic life with long lasting effects.

**Precautionary statements**

**General** : Read carefully and follow all instructions. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention** : Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. Wash thoroughly after handling.

**Response** : Collect spillage. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

**Storage** : Not applicable.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Supplemental label elements** : Not applicable.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

**Special packaging requirements**

**Containers to be fitted with child-resistant fastenings** : Not applicable.

**Tactile warning of danger** : Not applicable.

## 2.3 Other hazards

## SECTION 2: Hazards identification

**Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other hazards which do not result in classification** : None known.

## SECTION 3: Composition/information on ingredients

**3.2 Mixtures** : Mixture

| Product/ingredient name | Identifiers | % | Classification | Type |
|---|---|---|---|---|
| Ethoxylated Fatty alcohols | - | Proprietary | Acute Tox. 4, H302<br>Eye Dam. 1, H318<br>Aquatic Chronic 2, H411 | [1] |
| Diol | - | Proprietary | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 | [1] [2] |
| Organic acid | - | Proprietary | Eye Irrit. 2, H319 | [1] |
| propan-2-ol | EC: 200-661-7<br>CAS: 67-63-0<br>Index: 603-117-00-0 | ≤5 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336 | [1] [2] |
| Triol | - | Proprietary | Eye Irrit. 2, H319 | [1] [2] |
| 1,4-dioxane | EC: 204-661-8<br>CAS: 123-91-1<br>Index: 603-024-00-5 | ≤0.1 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>Carc. 2, H351<br>STOT SE 3, H335<br>Aquatic Chronic 2, H411<br>EUH019<br>EUH066 | [1] [2] |
| ethylene oxide | EC: 200-849-9<br>CAS: 75-21-8<br>Index: 603-023-00-X | <0.1 | Flam. Gas 1A, H220<br>Press. Gas (Comp.), H280<br>Acute Tox. 3, H301<br>Acute Tox. 3, H331<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318<br>Muta. 1B, H340<br>Carc. 1B, H350<br>Repr. 1B, H360Fd<br>STOT SE 3, H335<br>STOT SE 3, H336<br>STOT RE 1, H372 (nervous system)<br>Aquatic Chronic 3, H412<br>**See Section 16 for the full text of the H statements declared above.** | [1] [2] |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

# SECTION 4: First aid measures

## 4.1 Description of first aid measures

**Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

**Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin contact** : Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

## 4.2 Most important symptoms and effects, both acute and delayed

**Over-exposure signs/symptoms**

**Eye contact** : Adverse symptoms may include the following:
pain
watering
redness

**Inhalation** : No specific data.

**Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur

**Ingestion** : Adverse symptoms may include the following:
stomach pains

## 4.3 Indication of any immediate medical attention and special treatment needed

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments** : No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** : Use dry chemical, $CO_2$, water spray (fog) or foam.

**Unsuitable extinguishing media** : Do not use water jet.

### 5.2 Special hazards arising from the substance or mixture

**Hazards from the substance or mixture** : Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous combustion products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**6.2 Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

### 6.3 Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## SECTION 6: Accidental release measures

**6.4 Reference to other sections** : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

**Seveso Directive - Reporting thresholds**

**Danger criteria**

| Category | Notification and MAPP threshold | Safety report threshold |
|---|---|---|
| P5c<br>E2 | 5000 tonne<br>200 tonne | 50000 tonne<br>500 tonne |

### 7.3 Specific end use(s)

**Recommendations** : Not available.

**Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Occupational exposure limits**

| Product/ingredient name | Exposure limit values |
|---|---|
| Diol | **EH40/2005 WELs (United Kingdom (UK), 8/2018).**<br>STEL: 123 mg/m³ 15 minutes.<br>STEL: 25 ppm 15 minutes.<br>TWA: 123 mg/m³ 8 hours.<br>TWA: 25 ppm 8 hours. |
| propan-2-ol | **EH40/2005 WELs (United Kingdom (UK), 1/2020).**<br>STEL: 1250 mg/m³ 15 minutes.<br>STEL: 500 ppm 15 minutes. |

## SECTION 8: Exposure controls/personal protection

| | |
|---|---|
| | TWA: 999 mg/m³ 8 hours.<br>TWA: 400 ppm 8 hours. |
| Triol | **EH40/2005 WELs (United Kingdom (UK), 1/2020).**<br>TWA: 10 mg/m³ 8 hours. Form: Mist |
| 1,4-dioxane | **EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.**<br>TWA: 20 ppm 8 hours.<br>TWA: 73 mg/m³ 8 hours. |
| ethylene oxide | **EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.**<br>TWA: 1 ppm 8 hours.<br>TWA: 1.8 mg/m³ 8 hours. |

**Biological exposure indices**

No exposure indices known.

**Recommended monitoring procedures** : Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**DNELs/DMELs**

| Product/ingredient name | Type | Exposure | Value | Population | Effects |
|---|---|---|---|---|---|
| Ethoxylated Fatty alcohols | DNEL | Long term Oral | 25 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 87 mg/m³ | General population | Systemic |
| | DNEL | Long term Inhalation | 294 mg/m³ | Workers | Systemic |
| | DNEL | Long term Dermal | 1250 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 2080 mg/kg bw/day | Workers | Systemic |
| Diol | DNEL | Long term Oral | 1 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 1 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 2 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 3.5 mg/m³ | General population | Systemic |
| | DNEL | Long term Inhalation | 14 mg/m³ | Workers | Systemic |
| | DNEL | Long term Inhalation | 25 mg/m³ | General population | Local |
| | DNEL | Short term Inhalation | 49 mg/m³ | General population | Local |
| | DNEL | Long term Inhalation | 49 mg/m³ | Workers | Local |
| | DNEL | Short term Inhalation | 98 mg/m³ | Workers | Local |
| propan-2-ol | DNEL | Long term Oral | 26 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 89 mg/m³ | General population | Systemic |
| | DNEL | Long term Dermal | 319 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 500 mg/m³ | Workers | Systemic |
| | DNEL | Long term Dermal | 888 mg/kg bw/day | Workers | Systemic |
| Triol | DNEL | Long term Inhalation | 33 mg/m³ | General population | Local |
| | DNEL | Long term Inhalation | 56 mg/m³ | Workers | Local |

## SECTION 8: Exposure controls/personal protection

| | | | | | |
|---|---|---|---|---|---|
| | DNEL | Long term Oral | 229 mg/kg bw/day | General population | Systemic |
| 1,4-dioxane | DNEL | Long term Oral | 0.24 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 12 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 18.25 mg/m³ | General population | Systemic |
| | DNEL | Long term Dermal | 21 mg/kg bw/day | Workers | Systemic |
| | DNEL | Short term Inhalation | 72 mg/m³ | General population | Local |
| | DNEL | Long term Inhalation | 73 mg/m³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 144 mg/m³ | Workers | Local |

**PNECs**

No PNECs available.

### 8.2 Exposure controls

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

**Skin protection**

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## SECTION 8: Exposure controls/personal protection

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

**Appearance**

**Physical state** : Liquid.

**Color** : No dye [Transparent]

**Odor** : No Fragrance added [Slight]

**Odor threshold** : Not available.

**Melting point/freezing point** : Not available.

**Initial boiling point and boiling range** : Not available.

**Flammability (solid, gas)** : Not available.

**Upper/lower flammability or explosive limits** : Not available.

**Flash point** : Closed cup: 37.8 to 61°C (100 to 141.8°F) [Pensky-Martens]

**Auto-ignition temperature** : Not available.

**Decomposition temperature** : Not available.

**pH** : 3 to 3.5 at RTU dilution

**Viscosity** : Not available.

**Solubility(ies)** :

| Media | Result |
|---|---|
| cold water | Easily soluble |
| hot water | Easily soluble |

**Solubility in water** : Completely soluble in water

**Miscible with water** : Yes.

**Partition coefficient: n-octanol/water** : Not applicable.

**Vapor pressure** : Not available.

**Relative density** : 1.01

**Density** : 1.01 g/cm³ [23°C (73.4°F)]

**Vapor density** : Not available.

**Explosive properties** : Not available.

**Oxidizing properties** : Not available.

**Particle characteristics**

**Median particle size** : Not applicable.

## SECTION 10: Stability and reactivity

**10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

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

**10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

## SECTION 10: Stability and reactivity

**10.4 Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

**10.5 Incompatible materials** : Reactive or incompatible with the following materials: oxidizing materials

**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**

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|---|---|---|---|
| Ethoxylated Fatty alcohols | LD50 Oral | Rat | 1378 mg/kg | - |
| Diol | LD50 Oral | Rat | 3700 mg/kg | - |
| propan-2-ol | LD50 Dermal | Rabbit | 12800 mg/kg | - |
| | LD50 Oral | Rat | 5000 mg/kg | - |
| Triol | LD50 Oral | Rat | 12600 mg/kg | - |
| 1,4-dioxane | LD50 Oral | Rat | 4200 mg/kg | - |
| ethylene oxide | LC50 Inhalation Gas. | Rat | 800 ppm | 4 hours |
| | LD50 Oral | Rat | 72 mg/kg | - |

**Conclusion/Summary** : Not available.

**Acute toxicity estimates**

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|---|---|---|---|---|---|
| ACP Floor Conditioner & Neutralizer Concentrate | 2438.9 | N/A | N/A | N/A | N/A |
| Ethoxylated Fatty alcohols | 1378 | N/A | N/A | N/A | N/A |
| Diol | 3700 | N/A | N/A | N/A | N/A |
| propan-2-ol | 5000 | 12800 | N/A | N/A | N/A |
| Triol | 12600 | N/A | N/A | N/A | N/A |
| 1,4-dioxane | 4200 | N/A | N/A | N/A | N/A |
| ethylene oxide | 100 | N/A | 700 | N/A | N/A |

**Irritation/Corrosion**

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---|---|---|---|---|---|
| Diol | Skin - Mild irritant | Rabbit | - | 465 mg | - |
| | Skin - Moderate irritant | Rabbit | - | 24 hours 500 mg | - |
| Organic acid | Eyes - Mild irritant | Rabbit | - | 0.5 minutes 5 mg | - |
| propan-2-ol | Eyes - Moderate irritant | Rabbit | - | 10 mg | - |
| | Eyes - Moderate irritant | Rabbit | - | 24 hours 100 mg | - |
| | Eyes - Severe irritant | Rabbit | - | 100 mg | - |
| | Skin - Mild irritant | Rabbit | - | 500 mg | - |
| Triol | Eyes - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| 1,4-dioxane | Eyes - Moderate irritant | Guinea pig | - | 10 ug | - |
| | Eyes - Moderate irritant | Rabbit | - | 24 hours 100 mg | - |
| | Eyes - Severe irritant | Rabbit | - | 100 mg | - |
| | Skin - Mild irritant | Rabbit | - | 515 mg | - |
| ethylene oxide | Eyes - Moderate irritant | Rabbit | - | 6 hours 18 mg | - |

## SECTION 11: Toxicological information

**Conclusion/Summary** : Not available.

**Sensitization**

**Conclusion/Summary** : Not available.

**Mutagenicity**

**Conclusion/Summary** : Not available.

**Carcinogenicity**

**Conclusion/Summary** : Not available.

**Reproductive toxicity**

**Conclusion/Summary** : Not available.

**Teratogenicity**

**Conclusion/Summary** : Not available.

**Specific target organ toxicity (single exposure)**

| Product/ingredient name | Category | Route of exposure | Target organs |
|---|---|---|---|
| propan-2-ol | Category 3 | - | Narcotic effects |
| 1,4-dioxane | Category 3 | - | Respiratory tract irritation |
| ethylene oxide | Category 3 | - | Respiratory tract irritation |
| | Category 3 | | Narcotic effects |

**Specific target organ toxicity (repeated exposure)**

| Product/ingredient name | Category | Route of exposure | Target organs |
|---|---|---|---|
| ethylene oxide | Category 1 | - | nervous system |

**Aspiration hazard**

Not available.

**Information on the likely routes of exposure** : Not available.

**Potential acute health effects**

**Eye contact** : Causes serious eye damage.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : Causes skin irritation.

**Ingestion** : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : Adverse symptoms may include the following:
pain
watering
redness

**Inhalation** : No specific data.

**Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur

**Ingestion** : Adverse symptoms may include the following:
stomach pains

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**

**Potential immediate effects** : Not available.

## SECTION 11: Toxicological information

**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

**Potential chronic health effects**

Not available.

**Conclusion/Summary** : Not available.

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity** : No known significant effects or critical hazards.

**Other information** : Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---|---|---|---|
| Ethoxylated Fatty alcohols | Acute EC50 5.36 mg/l Fresh water | Crustaceans - Water flea - Ceriodaphnia dubia - Neonate | 48 hours |
| | Acute EC50 2686 µg/l Fresh water | Daphnia - Water flea - Daphnia magna - Neonate | 48 hours |
| | Acute LC50 8500 µg/l Fresh water | Fish - Fathead minnow - Pimephales promelas | 96 hours |
| Diol | Acute EC50 2800000 µg/l Fresh water | Crustaceans - Water flea - Ceriodaphnia reticulata - Larvae | 48 hours |
| | Acute EC50 3200000 µg/l Fresh water | Daphnia - Water flea - Daphnia magna - Larvae | 48 hours |
| | Acute LC50 8000000 µg/l Marine water | Fish - Bleak - Alburnus alburnus | 96 hours |
| propan-2-ol | Acute EC50 7550 mg/l Fresh water | Daphnia - Water flea - Daphnia magna - Neonate | 48 hours |
| | Acute LC50 1400000 µg/l Marine water | Crustaceans - Common shrimp, sand shrimp - Crangon crangon | 48 hours |
| | Acute LC50 4200 mg/l Fresh water | Fish - Harlequinfish, red rasbora - Rasbora heteromorpha | 96 hours |
| 1,4-dioxane | Acute LC50 1.5 mg/l Fresh water | Daphnia - Water flea - Daphnia magna - Neonate | 48 hours |
| | Acute LC50 6700000 µg/l Marine water | Fish - Inland silverside - Menidia beryllina | 96 hours |
| | Chronic NOEC 145 mg/l Fresh water | Fish - Fathead minnow - Pimephales promelas | 32 days |
| ethylene oxide | Acute LC50 490000 µg/l Marine water | Crustaceans - Brine shrimp - Artemia sp. | 48 hours |
| | Acute LC50 137000 µg/l Fresh water | Daphnia - Water flea - Daphnia magna | 48 hours |
| | Acute LC50 84000 µg/l Fresh water | Fish - Fathead minnow - Pimephales promelas | 96 hours |

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

**Conclusion/Summary** : Not available.

### 12.3 Bioaccumulative potential

## SECTION 12: Ecological information

| Product/ingredient name | $LogP_{ow}$ | BCF | Potential |
|---|---|---|---|
| Diol | 0.58 | - | low |
| Organic acid | -1.72 | - | low |
| propan-2-ol | 0.05 | - | low |
| Triol | -1.76 | - | low |
| 1,4-dioxane | -0.42 | 0.3 to 0.7 | low |
| ethylene oxide | -0.3 | - | low |

### 12.4 Mobility in soil

**Soil/water partition coefficient ($K_{OC}$)** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**12.6 Other adverse effects** : No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

**Product**

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions 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 non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

**Packaging**

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

| | ADR/RID | ADN | IMDG | IATA |
|---|---|---|---|---|
| **14.1 UN number** | UN1993 | UN1993 | UN1993 | UN1993 |
| **14.2 UN proper shipping name** | FLAMMABLE LIQUID, N.O.S. (Isopropyl alcohol) | FLAMMABLE LIQUID, N.O.S. (Isopropyl alcohol) | FLAMMABLE LIQUID, N.O.S. (Isopropyl alcohol) | FLAMMABLE LIQUID, N.O.S. (Isopropyl alcohol) |
| | | | | |

## SECTION 14: Transport information

| | | | | |
|---|---|---|---|---|
| **14.3 Transport hazard class(es)** | 3  | 3  | 3  | 3  |
| **14.4 Packing group** | III | III | III | III |
| **14.5 Environmental hazards** | Yes. | Yes. | Yes. | Yes. The environmentally hazardous substance mark is not required. |

**Additional information**

**ADR/RID** : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.
**Tunnel code** (D/E)

**ADN** : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.

**IMDG** : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.

**IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to IMO instruments** : Not available.

## SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**UK (GB)/REACH**

**Annex XIV - List of substances subject to authorization**

**Annex XIV**

None of the components are listed.

**Substances of very high concern**

None of the components are listed.

**Ozone depleting substances**

Not listed.

**Prior Informed Consent (PIC)**

Not listed.

**Persistent Organic Pollutants**

Not listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

**Seveso Directive**

This product is controlled under the Seveso Directive.

**Danger criteria**

## SECTION 15: Regulatory information

| Category |
| --- |
| P5c<br>E2 |

### National regulations

| Product/ingredient name | List name | Name on list | Classification | Notes |
| --- | --- | --- | --- | --- |
| ethylene oxide | UK Occupational Exposure Limits EH40 - WEL | ethylene oxide; epoxyethane | Carc. | - |

### EU regulations

**Industrial emissions (integrated pollution prevention and control) - Air** : Not listed

**Industrial emissions (integrated pollution prevention and control) - Water** : Not listed

### International regulations

**Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

**Montreal Protocol**

Not listed.

**Stockholm Convention on Persistent Organic Pollutants**

Not listed.

**Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

### Inventory list

**Australia** : All components are listed or exempted.

**Canada** : All components are listed or exempted.

**China** : All components are listed or exempted.

**Eurasian Economic Union** : **Russian Federation inventory**: Not determined.

**Japan** : **Japan inventory (CSCL)**: Not determined.
**Japan inventory (ISHL)**: Not determined.

**New Zealand** : Not determined.

**Philippines** : Not determined.

**Republic of Korea** : Not determined.

**Taiwan** : Not determined.

**Thailand** : Not determined.

**Turkey** : Not determined.

**United States** : Not determined.

**Viet Nam** : Not determined.

**15.2 Chemical Safety Assessment** : This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms :** ATE = Acute Toxicity Estimate
GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = GB CLP-specific Hazard statement
N/A = Not available
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
SGG = Segregation Group
vPvB = Very Persistent and Very Bioaccumulative

**Procedure used to derive the classification**

| Classification | Justification |
|---|---|
| Flam. Liq. 3, H226 | On basis of test data |
| Skin Irrit. 2, H315 | Calculation method |
| Eye Dam. 1, H318 | Calculation method |
| Aquatic Chronic 2, H411 | Calculation method |

**Full text of abbreviated H statements**

| | |
|---|---|
| H220 | Extremely flammable gas. |
| H225 | Highly flammable liquid and vapor. |
| H226 | Flammable liquid and vapor. |
| H280 | Contains gas under pressure; may explode if heated. |
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H340 | May cause genetic defects. |
| H350 | May cause cancer. |
| H351 | Suspected of causing cancer. |
| H360Fd | May damage fertility. Suspected of damaging the unborn child. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH019 | May form explosive peroxides. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

**Full text of classifications**

| | |
|---|---|
| Acute Tox. 3 | ACUTE TOXICITY - Category 3 |
| Acute Tox. 4 | ACUTE TOXICITY - Category 4 |
| Aquatic Chronic 2 | AQUATIC HAZARD (LONG-TERM) - Category 2 |
| Aquatic Chronic 3 | AQUATIC HAZARD (LONG-TERM) - Category 3 |
| Carc. 1B | CARCINOGENICITY - Category 1B |
| Carc. 2 | CARCINOGENICITY - Category 2 |
| Eye Dam. 1 | SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 |
| Eye Irrit. 2 | SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 |
| Flam. Gas 1A | FLAMMABLE GASES - Category 1A |
| Flam. Liq. 2 | FLAMMABLE LIQUIDS - Category 2 |
| Flam. Liq. 3 | FLAMMABLE LIQUIDS - Category 3 |
| Muta. 1B | GERM CELL MUTAGENICITY - Category 1B |
| Press. Gas (Comp.) | GASES UNDER PRESSURE - Compressed gas |
| Repr. 1B | TOXIC TO REPRODUCTION - Category 1B |
| Skin Corr. 1 | SKIN CORROSION/IRRITATION - Category 1 |

## SECTION 16: Other information

| | |
|---|---|
| Skin Irrit. 2 | SKIN CORROSION/IRRITATION - Category 2 |
| STOT RE 1 | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 |
| STOT SE 3 | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3 |

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**Notice to reader**

**To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.**
**Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**