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# Safety Data Sheet
# DHP-110

## 1. Identification

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| **Product identifier** | DHP-110 |
| **Product code** | DHP-110 |
| **Other means of identification** | None. |
| **Recommended use of the chemical and restrictions on use** | Soap - Degreasing cleaner. |
| **Manufacturer** | Distributions ABR inc.<br>1375 Des Riveurs local 500<br>Lévis, Québec<br>Canada<br>G6Y 0A2<br>Tel. 418-837-0873<br>https://www.produitstechnikem.com/ |
| **Emergency phone number** | 418-837-0873 |

## 2. Hazard identification

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| **Summary** | Avoid all contact with the skin, eyes and clothing. Do not breathe vapours, mists or aerosols. Do not ingest. If medical advice is needed, have this SDS or label at hand. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved. |

**WHMIS 2015/GHS/OSHA HCS 2012**

Skin corrosion/irritation (Category 2)
Serious eye damage/eye irritation (Category 1)

**DANGER**
H318: Causes serious eye damage
H315: Causes skin irritation
P264: Wash skin thoroughly after handling.
P280: Wear protective gloves, protective clothing and eye protection.
P302+P352: IF ON SKIN: Wash with plenty of water and soap.
P332+P313: If skin irritation occurs: Get medical advice/attention.
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 doctor.
P362+P364: Take off contaminated clothing and wash it before reuse.

## 3. Composition/information on ingredients

| Common name | CAS | Weight % content |
|---|---|---|
| 2-Aminoethanol | 141-43-5 | 1 - 5 % |
| Alcohols, C6-12, ethoxylated | 68439-45-2 | 1 - 5 % |
| Alcohols, C7-C21 ethoxylated | 68991-48-0 | 1 - 5 % |
| Sodium tripolyphosphate | 7758-29-4 | 0.1 - 1 % |
| Nitrilotriacetic acid trisodium salt | 5064-31-3 | 0.1 - 1 % |

**Note:** The manufacturer withholds the actual concentration range of the ingredients as a trade secret. The range for the surfactant mixture (CAS no 68439-45-2 and CAS no 68991-48-0) in 1-5% IN TOTAL.

## 4. First-aid measures

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| **Inhalation** | Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained personnel. If a problem develops or persists, seek medical attention. |
| **Skin contact** | Wash skin with warm water and mild soap for at least 15 minutes. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention. |
| **Eye contact** | IMMEDIATELY flush with plenty of water. Remove contact lenses if easy to do. Flush with water for at least 15 minutes. Hold eyelids apart to rinse properly. Seek medical attention immediately. Have an ophthalmologist make an evaluation of eye injury. |
| **Ingestion** | DO NOT induce vomiting, unless recommended by medical personnel. Never give anything by mouth if victim is unconscious or convulsing. If victim is conscious wash out mouth with water and give 1-2 glasses of water to drink. Seek medical attention or contact a Poison Centre immediately. |
| **Other** | No information available. |
| **Symptoms** | May cause severe eye irritation or eye damage. May cause redness and irritation of the skin. |
| **Notes to the physician** | Treat according to person's condition and specifics of exposure. If gastric lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. |

## 5. Fire-fighting measures

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| **Suitable extinguishing media** | Use an extinguishing agent appropriate for the surrounding fire. |
| **Specific hazards arising from the chemical** | In a fire or if heated, a pressure increase will occur and the container may burst. |
| **Special protective equipment** | Firefighters must wear self contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals. |
| **Special protective actions for fire-fighters** | Use water spray to cool fire-exposed containers. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. |

## 6. Accidental release measures

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| **Personal precautions, protective equipment and emergency procedures** | Do not touch spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet. |
| **Environmental precautions** | Prevent entry into sewers, closed areas and release to the environment. For a large spill, consult the Department of Environment or the relevant authorities. |
| **Methods and materials for containment and cleaning up** | Ventilate the area well. Absorb with absorbent sheets, absorbent pads or an inert material (soil, sand, vermiculite) and place in a container suitable recovery well identified. Finish cleaning the contaminated surface by rinsing with water. Dispose via a licensed waste disposal contractor. |

## 7. Handling and storage

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| **Precautions for safe handling** | Use only in well ventilated area. Avoid all contact with the skin, eyes and clothing. Do not breathe vapours, mists or aerosols. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. Wash hands, forearms and face thoroughly after handling this compound and before eating, drinking or using toiletries. Remove contaminated clothing and wash before reuse. |
| **Conditions for safe storage, including any incompatibilities** | Store tightly closed and in properly labelled containers in a cool, dry and well ventilated place. Store away from acids and from incompatible materials (see section 10). Store away from frost and high temperatures. |
| **Storage temperature** | 5 to 30°C (41 to 86°F) |

## 8. Exposure controls/personal protection

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| **Immediately Dangerous to Life or Health** | 2-Aminoethanol: 30 ppm. |

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| 2-Aminoethanol | STEL | | 6 ppm | | BC , ON |
| | | | 6 ppm | 15 mg/m$^3$ | ACGIH , RSST |
| | TWA (8h) | | 3 ppm | | BC , ON |
| | | | 3 ppm | 7.5 mg/m$^3$ | RSST |
| | | | 3 ppm | 8 mg/m$^3$ | ACGIH |
| Sodium tripolyphosphate | TWA (8h) | Respirable Dust | | 5 mg/m$^3$ | OSHA |
| | | Total Dust | | 15 mg/m$^3$ | OSHA |

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| **Appropriate engineering controls** | Provide sufficient mechanical ventilation (general or local exhaust) to keep the airborne concentrations of vapours, mists, aerosols or dust below their respective occupational exposure limits. |
| **Individual protection measures** | |
| **Eye** | Wear safety glasses with side shields. If there is a risk of contact with eyes, wear chemical splash goggles. |
| **Hands** | Wear nitrile or neoprene gloves. Wear Nitrile gloves. Disposable nitrile gloves can also be used, but discard after single use. Before using, user should confirm impermeability. Discard gloves with tears, pinholes, or signs of wear. |
| **Skin** | Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code. Synthetic polyethylene coveralls or equivalent coveralls manufactured to provide protection |

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| | against liquid chemicals should be worn, if necessary. |
| **Respiratory** | Respiratory protection is not required for normal use. Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA. In case of insufficient ventilation or in enclosed area until maximum 10 times of exposure limit, wear half mask respirator with organic vapors cartridges. |
| **Feet** | Wear rubber boots to clean up a spill. |


Goggles


Nitrile gloves

## *9. Physical and chemical properties*

| | | | |
|---|---|---|---|
| **Physical state** | Liquid | **Flammability** | Non-flammable |
| **Colour** | Colourless | **Flammability limits** | N/Av. |
| **Odour** | Faint | **Flash point** | N/Av. |
| **Odour threshold** | N/Av. | **Auto-ignition temperature** | N/Av. |
| **pH** | 11 @ 100% | **Sensibility to electrostatic charges** | N.Av. |
| **Melting point** | N/Av. | **Sensibility to sparks and/or friction** | N.Av. |
| **Freezing point** | N/Av. | **Vapour density** | N/Av. (Air = 1) |
| **Boiling point** | N/Av. | **Relative density** | 1.01 to 1.09 kg/L (Water = 1) |
| **Solubility** | Miscible in water | **Partition coefficient n-octanol/water** | N/Av. |
| **Evaporation rate** | N/Av. | **Decomposition temperature** | N/Av. |
| **Vapour pressure** | N/Av. | **Viscosity** | N/Av. |
| **Percent Wt. Volatile** | N/Av. | **Molecular mass** | N/Ap. |
| **VOC (g/L)** | N/Av. | **% Volume Volatile (VOC)** | N/Av. |
| **VOC (lb/gal)** | N/Av. | **% Wt. Volatile (VOC)** | N/Av. |

N/Av.: Not Available N/Ap.: Not Applicable Und.: Undetermined N/E: Not Established

## *10. Stability and reactivity*

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| **Reactivity** | Reacts with acids to produce heat. |
| **Chemical stability** | Stable under recommended storage conditions. |
| **Possibility of hazardous reactions (including polymerizations)** | A dangerous reaction will not occur. |

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| **Conditions to avoid** | Avoid contact with incompatible materials. Avoid mixing with other chemicals. Avoid extreme temperatures. |
| **Incompatible materials** | Acids, strong oxidants. |
| **Hazardous decomposition products** | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## *11. Toxicological information*

**Numerical measures of toxicity**

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|---|---|---|---|---|
| 2-Aminoethanol | Ingestion | 1090 mg/kg | Rat | LD50 |
| | Inhalation | >1.3 mg/l/4h | Rat | LC50 |
| | Skin | 1015 mg/kg | Rabbit | LD50 |
| Alcohols, C6-12, ethoxylated | Ingestion | >528 mg/kg | Rat | LD50 |
| Alcohols, C7-C21 ethoxylated | Ingestion | >2000 mg/kg | Rat | LC50 |
| | Skin | 1410 mg/kg | Rabbit | LD50 |
| Nitrilotriacetic acid trisodium salt | Ingestion | 1100 mg/kg | Rat | LD50 |
| | Inhalation | >5 mg/l/4h | Rat | LC50 |
| Sodium tripolyphosphate | Ingestion | 3120 mg/kg | Rat | LD50 |
| | Skin | >4640 mg/kg | Rabbit | LD50 |

**Likely routes of exposure**

Skin, eyes, inhalation, ingestion.

**Delayed, immediate and chronic effects**

**Eye contact**
May cause severe eye irritation or eye damage. Eye Irritation/Corrosion, Rabbit: tests performed with each ingredient (>1%) of this mixture gave not irritating to corrosive results.

**Skin contact**
May cause redness and irritation of the skin. Prolonged and repeated contact may cause skin drying and cracking. Skin Irritation/Corrosion, Rabbit: tests performed with each ingredient (>1%) of this mixture gave not irritating to corrosive results.

**Inhalation**
Aerosols and mists can cause irritation to the nose, throat and lungs. Overexposure may cause burns of to nose, throat and respiratory tract.

**Ingestion**
May cause gastrointestinal irritation. Overexposure may cause burns in the mouth, in the throat and in the stomach.

**Respiratory or skin sensitization**
Ingredients present at levels greater than or equal to 0.1% of this product are not skin or respiratory sensitizers.

**IARC/NTP Classification**

| **Common name** | **IARC** | **NTP** |
|---|---|---|
| Nitrilotriacetic acid trisodium salt | 2B | R |

IARC : 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic.
NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens.

**Carcinogenicity**
Nitrilotriacetic acid trisodium salt (CAS no 5064-31-3) is suspected of causing cancer at a concentration >5% (ECHA).

**Mutagenicity**
Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.

**Reproductive toxicity**
Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause reproduction effects.

**Specific target organ toxicity - single exposure**
No target organ is listed.

**Specific target organ toxicity - repeated exposure**
No target organ is listed.

**Interactive effects**

No information available for this product.

**Other information**

The oral and skin acute toxicity estimates (ATE) of the mixture were calculated to be greater than 2000 mg/kg. The acute toxicity estimate (ATE) by inhalation (aerosol/mist) of the mixture was calculated to be greater than 5 mg/L/4h. These values are not classified according to WHMIS 2015 and OSHA HCS 2012.

## 12. Ecological information

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|---|---|---|---|
| **Ecological toxicity** | Fish - Cyprinus carpio - Carp (semi-static) | LC50 | 150 mg/L; 96 h (CAS no 141-43-5) |
| | Aquatic Invertebrate - Daphnia magna | EC50 | 65 mg/L; 48 h (CAS no 141-43-5) |
| | Green Algea - Selenastrum capricornutum | EC50 | 2.8 mg/L; 72 h (CAS no 141-43-5) OECD 201 |
| | Fish - Pimephales promelas - Fathead minnow | LC50 | 5.7 mg/L; 96 h (CAS no 68439-45-2) |
| | Aquatic Invertebrate - Daphnia magna - Water flea | EC50 | 8.2 mg/L; 48 h (CAS no 68439-45-2) |
| | Fish - Oncorhynchus mykiss - Rainbow trout | LC50 | 5-7 mg/L; 96 h (CAS no 68991-48-0) OEDC 203 |
| | Water flea - Daphnia magna - fresh water | EC50 | 1.4 mg/L; 96 h (CAS no 68991-48-0) |
| **Persistence** | No information available for this product. | | |
| **Degradability** | No information available for this product. | | |
| **Bioaccumulative potential** | No information available for this product. | | |
| **Mobility in soil** | No information available for this product. | | |
| **Other adverse effects** | This chemical does not deplete the ozone layer. Toxic effect on aquatic organisms due to pH change. | | |

## 13. Disposal considerations

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| **Container**  | Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water supply. DO NOT pierce, cut, heat, or burn the container, even after use. Dispose via a licensed waste disposal contractor. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities. |

## 14. Transport information

| | |
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| **UN Number** | UN N/A |
| **UN Proper Shipping Name** | Not regulated by TDG (Canada) and 49 CFR DOT (USA). |
| **Environmental hazards** | This material does not contain marine pollutant. |
| **Special precautions for user** | No information available for this product. |
| **TDG - Transportation of Dangerous Goods (Canada & US DOT)** | |
| **Transport hazard class(es)** | Not regulated |
| **Packing group** | Not regulated |
| **2020 Emergency Response Guidebook** | N/A |
| **IMO/IMDG - International Maritime Transport** | |
| **Classification** | Not regulated |
| **IATA - International Air Transport Association** | |

| Classification | Not regulated |
|---|---|

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.

## 15. Regulatory information

**CANADA**

| Common name | CAS | CEPA | DSL | NDSL | NPRI |
|---|---|---|---|---|---|
| 2-Aminoethanol | 141-43-5 | X | X | | |
| Alcohols, C6-12, ethoxylated | 68439-45-2 | X | X | | |
| Alcohols, C7-C21 ethoxylated | 68991-48-0 | | X | | |
| Sodium tripolyphosphate | 7758-29-4 | | X | | |
| Nitrilotriacetic acid trisodium salt | 5064-31-3 | X | X | | |

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act
- DSL: Domestic Substances List Inventory
- NDSL: Non-Domestic Substances List Inventory
- NPRI: National Pollutant Release Inventory Substances

**UNITED STATE OF AMERICA**

| Common name | CAS | TSCA | CER CLA | EPCRA 313 | EPCRA 302/304 | CAA 112(b) HON | CAA 112(b) HAP | CAA 112(r) | CWA 311 | CWA Prio. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2-Aminoethanol | 141-43-5 | X | | | | X | | | | |
| Alcohols, C6-12, ethoxylated | 68439-45-2 | X | | | | | | | | |
| Alcohols, C7-C21 ethoxylated | 68991-48-0 | X | | | | | | | | |
| Sodium tripolyphosphate | 7758-29-4 | X | X | | | | | | X | |
| Nitrilotriacetic acid trisodium salt | 5064-31-3 | X | | | | | | | | |

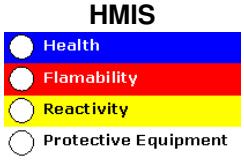
- TSCA: Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act - List of Hazardous Substances
- CWA Priority: Clean Water Act - Priority Pollutant list

**California Proposition 65**

| Common name | CAS | Cancer | Reproductive and Developmental Toxicity |
|---|---|---|---|
| Nitrilotriacetic acid trisodium salt | 5064-31-3 | X | |

| Other regulations | |
|---|---|

**HMIS**




**NFPA**

## *16. Other information*

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|---|---|
| **Date (YYYY-MM-DD)** | Distributions ABR inc. 2024-11-18 |
| **Version** | 01 |
| **Other information** | REFERENCES:<br>- Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, https://haz-map.com/<br>- Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), https://www.cnesst.gouv.qc.ca/en<br>- The National Center for Biotechnology Information, National Institutes of Health (NIH), U.S. National Library of Medicine, https://pubchem.ncbi.nlm.nih.gov<br>DATE OF THE LAST VERSION OF SDS:<br>2021-11-25.<br><br>ACGIH: American Conference of Governmental Industrial Hygienists<br>AIHA: American Industrial Hygiene Association<br>HMIS: Hazardous Materials Identification System<br>NFPA: National Fire Protection Association<br>OSHA: Occupational Safety and Health Administration (USA)<br>NIOSH: National Institute for Occupational Safety and Health<br>NTP: National Toxicology Program<br>RSST: Règlement sur la santé et la sécurité du travail (Québec)<br>GHS: Globally Harmonized System<br>IARC: International Agency for Research on Cancer<br>IDLH: Immediately Dangerous to Life or Health<br>STEL: Short Term Exposure Limit (15 min)<br>TWA: Time Weighted Averages<br>WHMIS: Workplace Hazardous Materials Information System<br><br>To the best of our knowledge, the information contained herein is accurate. However, neither Preventis System, nor 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. |