

1. Identification

Product name SUPRA
Use HIGH EFFICIENCY CHLORINATED POWDER DETERGENT
Supplier Solutions Chimiques DeaneCo
A division of GTR Chemical Solutions Inc.
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Emergency phone number: CANUTEC (613) 996-6666

Code 10VE2028L



2. Hazard identification

Product classification Serious eye damage / Eye irritation - Category 1
Skin corrosion / irritation - Category 1
Signal word **DANGER**
Hazard statement H314 - Causes severe skin burns and eye damage.
Pictogram



Precautionary statement P260 - Do not breathe dust / fumes / gas / mist / vapours / spray.
P264 - Wash hands and face thoroughly after handling.
P280 - Wear protective gloves / protective clothing / eye protection / 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/ shower.
P363 - Wash contaminated clothing before reuse.
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 a doctor.
P405 - Store locked up.
P501 - Dispose of contents / container according to all applicable regulations.

3. Composition / Information on ingredients

| Ingredient name | Cas number | % (w/w) |
|----------------------------------|------------|---------|
| Sodium hydroxide | 1310-73-2 | 10 - 30 |
| Sodium metasilicate pentahydrate | 10213-79-3 | 10 - 30 |
| Sodium carbonate | 497-19-8 | 15 - 40 |

Exact percentages are being withheld as trade secret information

4. First-aid measures

Eyes contact Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 30 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

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| Skin contact | In case of contact, immediately flush skin with plenty of water for at least 20 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention immediately. |
| Inhalation | In case of inhalation of vapors or mists, bring the person to an airborne place. Immediately transfer to the closest emergency medical service if breathing is difficult. Symptoms of pulmonary edema may appear after a delay of several hours and are aggravated by physical effort. Rest and medical supervision are therefore essential. |
| Ingestion | In case of ingestion, rinse mouth. drink a glass of water. Do not induce vomiting and see a doctor. Never administer anything orally to someone unconscious or in a convulsive state. |
| Most important symptoms and effects | See section 11. |
| Indication of immediate medical attention and special treatment needed | No further information available. |

5. Fire-fighting measures

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| Suitable extinguishing media | To fight a fire, use extinguishing media appropriate for surrounding materials. |
| Unsuitable extinguishing media | Do not use a water jet since it could spread the product and enlarge the hazard area. |
| Specific hazards arising from the chemical | Water used to fight a fire should be considered as corrosive. |
| Special protective equipment and precautions for firefighters | Wear self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full protective gear. |

6. Accidental release measures

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| Personal precautions, protective equipment and emergency procedures | Wear protective equipment listed in section 8. Keep unnecessary personnel and unprotected persons away. |
| Methods and materials for containment and cleaning up. | Isolate area. Keep unnecessary personnel away. Ensure adequate ventilation. Stop the flow of material, if this is without risk. Absorb with inert material such as vermiculite, sand or soil. Put in adequate container. Wash contaminated area. |

7. Handling and storage

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| Precautions for safe handling | Put on appropriate personal protective equipment (see section 8). Use in a way to prevent splashing. Eating, drinking and smoking should be prohibited in areas where this material is handled or stored. Workers should wash hands and face before eating, drinking and smoking. Keep in the original container or an approved alternative, kept tightly closed when not in use. Do not reuse empty container. |
| Conditions for safe storage, including any incompatibilities | Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). |

8. Exposure controls / Personal protection

Occupational exposure limits (by ingredients)

| Ingredient name | TWAEV | STEV |
|----------------------------------|-------|-----------------------|
| Sodium hydroxide | - | P 2 mg/m ³ |
| Sodium metasilicate pentahydrate | - | - |
| Sodium carbonate | - | - |

Source of data : RSST

P = ceiling value that should not be exceeded for any amount of time.

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| Appropriate engineering controls | Use only with ventilation adequate to keep air concentration below STEV if use generates vapor or mists. If STEV is exceeded, wear NIOSH approved respirator. |
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Individual protection measures

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| Eyes & face | Wear chemical goggles and face shield. |
| Skin | Wear impervious gloves and impervious apron. |
| Respiratory | If airborne exposures cannot be kept below permissible exposure limits, use a NIOSH approved respiratory protection. |
| Other | Provide eye wash facility and safety shower near the places where the product is used. Normal work clothes (long-sleeved shirt, long pants and closed shoes) are recommended. Contact lenses should not be worn when handling this product. |

9. Physical and chemical properties

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|---|-----------------|---------------------------|---------------|---|------------------|
| Physical state | Powder | Evaporation rate | Not available | Relative density | Not available |
| Colour | White | Flammability | Not flammable | Solubility | Soluble in water |
| Odour | Odorless | Upper flammability limits | Not available | Partition coefficient - n-octanol/water | Not available |
| Odour threshold | Not available | Lower flammability limits | Not available | Auto-ignition temperature | Not available |
| pH | 13, 1% solution | Upper explosive limits | Not available | Decomposition temperature | Not available |
| Melting point | Not available | Lower explosive limits | Not available | Viscosity | Not available |
| Initial boiling point and boiling range | Not available | Vapour pressure | Not available | | |
| Flash point | Not applicable | Vapour density | Not available | | |

10. Stability and reactivity

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| Reactivity | Strong exothermic reaction upon contact with an acid. Splashing and vapor eruption may occur. Contact with water releases large amount of heat. |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | Exothermic reaction upon contact with alkali. |
| Conditions to avoid | No specific data. |
| Incompatible materials | Incompatible with acid. |
| Hazardous decomposition products | Active metals such as : Aluminium causes the emanation of hydrogen an inflammable gas potentially explosive. |

11. Toxicological information

Potential Health Effects

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| Eyes contact | Corrosion of the eyes. Can provoke damage to the eyes that leads to blindness. |
| Skin contact | This product is irritating and corrosive to the skin. It causes severe burns with deep ulcerations. Irritative contact dermatitis may occur in repeated contact with this product or its solutions. Dermatitis may cause redness, itching, peeling and papules. Exposure to dust or fog can cause multiple small burns on the skin with a temporary loss of hair. |
| Inhalation | Inhalation immediately irritating to the respiratory tract. Swelling or spasms of the larynx leading to upper-airway obstruction and asphyxia can occur after high-dose inhalation. Inflammation of the lungs and an accumulation of fluid in the lungs may also occur. |
| Ingestion | Corrosion of the digestive tract with severe pain, dyspnea, vomiting, nausea, possible perforation of the esophagus and stomach . The effects can lead to death. |

Chronic Exposure

No further information available.

Acute toxicity (per ingredient)

| Ingredient | Acute toxicity |
|----------------------------------|---|
| Sodium hydroxide | LD 50 Oral : 500 mg/kg, Rabbit LD 50 Dermal : 1350 mg/kg, Rabbit |
| Sodium metasilicate pentahydrate | LD 50 Oral : 847 mg/kg, Rat |
| Sodium carbonate | LD 50 Oral : 2390 mg/kg, Rat LC 50 Inhalation : 400 mg/m ³ , Guinea pig |

12. Ecological information

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| Ecotoxicity | No further relevant information available. |
| Persistence and degradability | No further relevant information available. |
| Bioaccumulative potential | No further relevant information available. |
| Mobility in soil | No further relevant information available. |

13. Disposal considerations

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| Disposal methods | Dispose of contents/container in accordance with local / regional / national / international regulations. |
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14. Transport information

TDG Classification

| UN Number | Shipping name | Class | Packing group |
|-----------|-------------------------|-------|---------------|
| UN1823 | SODIUM HYDROXIDE, SOLID | 8 | II |

15. Regulatory information

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| WHMIS classification | Serious eye damage / Eye irritation - Category 1 Skin corrosion / irritation - Category 1 |
| Other applicable regulations | No further data available. |

16. Other information

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| Date of issue | 15/06/2018 |
| Safety Data Sheet prepared by | GTR Chemical Solutions R&D laboratory 190 Oneida, Pointe-Claire Québec, Canada H9R 1A8 Tel. Toll Free: 1 800-363-7760 www.solutionsgtr.ca |

Notice to reader

The information provided in this Safety Data Sheet is accurate to the best of our knowledge, and information available at the date of publication. The information is only designed as a guidance for safe handling, use, transport, storage and disposal.

Use of this product should be performed with caution as there are risks and hazards for people and goods, which are detailed but are not limited in this MSDS. To reduce the risks and dangers with this product is the responsibility of the user to comply with instructions and all instructions provided in the MSDS of this product. The manufacturer, distributors and suppliers of this product are exempt from any liability for any loss or damages of any kind whatsoever resulting from the use of this product that does not comply with the instructions or to all instructions provided in this MSDS or resulting from careless use of this product.