

* * * MATERIAL SAFETY DATA SHEET * * *

PRODUCT NAME: WhirKlor 30
PRODUCT USE: Chlorine Whirlpool Flush

SUPPLIER:
PARKSIDE PROFESSIONAL PRODUCTS
4777 Kent Avenue, Niagara Falls, ON L2H 1J5
Phone: (905) 358-8364 Fax: (905) 358-8364

PRODUCT CODE: PK60301
PREPARATION DATE: December 1, 2014
EMERGENCY TELEPHONE: CANUTEC (613) 996-6666

SECTION I - Regulatory Information

WHMIS Classification: D2B, E, C, exempt

TDG Classification: Not Regulated

SECTION II - Hazardous Ingredients

<u>Chemical Name</u>	<u>Wt/Wt%</u>	<u>CAS #</u>	<u>LD50</u>	<u>LC50</u>
Sodium Dichloroisocyanurate Dihydrate	60-100	51580-86-0	Not Available	Not Available
Sodium Chloride	0.1-1	7647-14-5	Not Available	Not Available

SECTION III - Physical Data

Physical State: solid (crystalline powder) **Specific Gravity:** 0.96 (water=1)
Volatile by Volume: not available **pH:** 6.0 to 6.5 at 1% solution **Vapour Pressure (mm Hg @25°C):** not available
Freezing Point: not available **Odour Threshold:** not available **Odour/Appearance:** mild chlorine/white opaque granular
Vapour Density: not available **Evaporation Rate:** not available **Coefficient of Water/Oil Distribution:** not available
Solubility in Water: soluble in cold water - 25gr in 100ml at 30°C **Boiling Point (°C @ 1 atm):** not available

SECTION IV - Fire or Explosion Hazard

Upper Flammable Limit: not applicable **Lower Flammable Limit:** not applicable
Flash Point & Test Method: not applicable **Auto-Ignition Temperature:** not applicable
Hazardous Combustion Products: nitrogen trichloride, chlorine, carbon monoxide **Sensitivity to Mechanical Impact:** not available
Sensitivity to Static Discharge: not available **Means of Extinction:** water...DO NOT USE dry chemical extinguishers containing ammonia compounds
Conditions of Flammability: not flammable
Special Firefighting Instructions: Wear NIOSH-approved self-contained breathing apparatus when in confined areas or exposed to combustion products. Use flooding quantities of water... DO NOT USE dry chemical extinguishers containing ammonia compounds.

SECTION V - Reactivity Data

Conditions of Chemical Instability: stable
Storage Requirements: Keep container tightly closed. Store in cool, well-ventilated area. Avoid dust generation. Store away from incompatible materials. DO NOT store at temperatures above 60°C (140°F).
Conditions of Reactivity: Avoid temperatures above 240°C (464°F).
Hazardous Decomposition Products: nitrogen trichloride, chlorine & carbon monoxide
Incompatible Substances: Reactive with organic materials, reducing agents, nitrogen containing materials, other oxidizers, acids, bases, oils, grease, sawdust, dry fire extinguishers containing monoammonium compounds.

SECTION VI - Toxicological Properties

Routes of Entry: Eye Contact, Skin Contact, Ingestion, Inhalation **Irritancy of Product:** Irritant to the eyes & respiratory system.
Effects of Acute Exposure:
Eye Contact – Can cause irritation and/or burns. May cause corneal damage & impairment of vision.
Skin Contact – Can cause severe irritation and/or burns. Symptoms of exposure may include redness, swelling & scab formation.
Inhalation – Irritating to the nose, mouth, throat & lungs. May cause burns to respiratory tract, lung edema, shortness of breath, wheezing, choking, chest pain & impairment of lung function. Inhalation of high concentrations can result in permanent lung damage.
Ingestion – Can cause irritation & burns to gastrointestinal tract, including the stomach & intestines. Symptoms of exposure include nausea, vomiting, diarrhea, abdominal pain, bleeding & tissue ulceration. Ingestion causes severe damage to gastrointestinal tract.
Effects of Chronic Exposure: **Carcinogenicity:** not available **Teratogenicity:** not available **Mutagenicity:** not available
Reproductive Effects: not available **Sensitization:** not available **Synergistic Materials:** not available
Prolonged or Repeated Exposure: Skin Contact – May cause permanent skin damage.
Inhalation – May cause impairment of lung function & permanent lung damage.

SECTION VII - First Aid Measures

Eye Contact: Immediately flush with water for at least 15 minutes, keeping eyelids open. COLD water may be used. Seek immediate medical attention.
Skin Contact: Immediately flush with water for at least 15 minutes while removing contaminated clothing & shoes. Seek immediate medical attention.
Inhalation: Allow victim to rest in well-ventilated area. If breathing is difficult, administer oxygen. If victim is not breathing, perform artificial respiration. Seek immediate medical attention.
Ingestion: DO NOT induce vomiting. Have victim drink a little of water or milk. Seek immediate medical attention. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.
Notes to Physician: There is no specific antidote. Treat symptomatically & supportively.

SECTION VIII - Protective Equipment

Personal Protective Equipment:
Eyes: Splash Goggles **Gloves:** Neoprene
Respiration: Use NIOSH/MSHA-approved respirator if dust, fume or mist is generated or contaminant level exceeds threshold limit.
Other: Full body suit, neoprene apron, boots.
Ventilation: Provide exhaust ventilation or other engineering controls to keep airborne concentrations of vapours below limits.
Special Measures: Ensure eye stations & safety showers are proximal to the work-station location.

SECTION IX - Spill/Leak Procedures

Procedures for Leaks or Spills: Use appropriate tools to put spilled material into convenient waste disposal container. Flush area with water. Prevent run-off from entering sewers or waterways. Contact emergency services and supplier for advice.
Waste Disposal: Review Federal, Provincial and local government requirements prior to disposal.

SECTION X - Preparation Information

Supplier: Parkside Professional Products, 4777 Kent Avenue, Niagara Falls, Ontario L2H 1J5 **Telephone:** (905) 358-8364

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