

* * * MATERIAL SAFETY DATA SHEET * * *

PRODUCT NAME: WhirKlor 30

PRODUCT USE: Chlorine Whirlpool Flush

PRODUCT CODE: PK60301

PREPARATION DATE: December 1, 2014

EMERGENCY TELEPHONE: CANUTEC (613) 996-6666

SUPPLIER:

PARKSIDE PROFESSIONAL PRODUCTS

4777 Kent Avenue, Niagara Falls, ON L2H 1J5

Phone: (905) 358-8364

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SECTION 1 - Regulatory Information

WHMIS Classification: D2B, E, C, exempt

TDG Classification: Not Regulated

SECTION II - Hazardous Ingredients

Chemical Name

Sodium Dichloroisocyanurate

Wt/Wt%

Dihydrate

60-100

CAS #

51580-86-0

LD50

Not Available

LC50

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

Freezing Point: not available

Odour Threshold: not available

Vapour Density: not available

Evaporation Rate: not available

Solubility in Water: soluble in cold water - 25gr in 100ml at 30°C

Vapour Pressure (mm Hg @ 25°C): not available

Odour/Appearance: mild chlorine/white opaque granular

Coefficient of Water/Oil Distribution: not available

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

Conditions of Flammability: not flammable

chemical extinguishers containing ammonia compounds

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.

Ingestion:

If victim is not breathing, perform artificial respiration. Seek immediate medical attention.

Notes to Physician:

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.

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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