

Whirklor 30 – Chlorine Whirlpool Flush

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Identification of Preparation:	Whirklor 30
Date of Safety Data Sheet:	March 27, 2019
Use of Preparation:	Bleaching agent.
Company Identification:	Parkside Professional Products Ltd. 4777 Kent Avenue Niagara Falls, Ontario L2H 1J5 OFFICE: 905-358-8364
Company Emergency Telephone Number	Emergency Phone: 905-358-8364
Transportation Emergency Telephone Number	CANUTEC 613-996-6666 or * 666 for cell phone

2. HAZARD IDENTIFICATION

Emergency Overview:
OSHA / WHMIS 2015 Hazards
Classification of substance or mixture
GHS-US/Canadian classification:
Oxidizing Solids Category 2- H272
Acute Toxicity Category 4 (Oral) - H302
Serious Eye Irritation Category 2A - H319
Label Elements
GHS Labeling
Hazard Pictograms (GHS):



Signal Word (GHS): Danger
Hazard Statements (GHS):
H272: May intensify fire; oxidizer
H302: Harmful if swallowed
H319: Causes serious eye irritation
H335: May cause respiratory irritation
Precautionary Statements (GHS):
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P233: Keep container tightly closed
P261: Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray

Date: March 27, 2019

SDS: Parkside Professional Products Ltd. Whirklor.30

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P280: Wear protective gloves/ protective clothing/ eye protection/ face protection

Response Statements (GHS):

P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical

Ingredient	CAS#	% by Wt	Classification
Sodium dichloroisocyanurate (58 g/kg available chlorine)	2893-78-9	100 %	Oxidizing Solids Category 2- H272 Acute Toxicity Category (Oral) 4 - H302 Serious Eye Damage / Eye Irritation Category 1- H318

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms persist consult physician.

Eye Contact: Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin Contact: Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.

Ingestion: Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Get medical aid.

Notes to Physician: Treatment based on judgment of attending physician.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Flood with water for extinguishing agent. CO2 may provide limited control.

Unsuitable extinguishing media: Do not use dry chemicals or foams.

Special exposure hazards: .

Special safety equipment: Self-contained positive pressure breathing apparatus and protective clothing.

Fire and explosion: May ignite combustibles (wood, paper, oil, clothing, etc.). Risk of explosion by shock, friction, fire or other sources of ignition. Do not allow run-off from fire fighting to enter drains or water courses.

Further information: Sodium dichloroisocyanurate is a powerful oxidising agent and decomposes violently upon heating liberating oxygen. In case of fire, area must be evacuated and specialist fire fighters called. Only large quantities of water should be used as

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an extinguishing agent. If excess water is not available DO NOT attempt to extinguish the fire; use available water to prevent the spread of fire to adjacent property. Attending fire fighters should keep upwind if possible and wear full protective equipment including rubber boots and self-contained breathing apparatus. A fire in the vicinity of sodium dichloroisocyanurate should be extinguished in the most practical manner but avoid contaminating this material with the fire fighting agent, including water. Decomposes on contact with water evolving toxic chlorine gas and in the presence of small amounts of water, the explosive gas nitrogen trichloride. Once fire is extinguished, wash area thoroughly with excess water. Ensure that drains are not blocked with solid material. Maintenance of excess water during cleaning up operation is essential. Combustible material involved in the incident should be removed to a safe open area for controlled burning or for further drenching with water prior to collection for disposal.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe dust.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Information about fire - and explosion protection:

Keep respiratory protective device available.

No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Protect from humidity and water.

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Unsuitable material for receptacle: steel.
 Unsuitable material for receptacle: aluminium.
 Avoid storage near extreme heat, ignition sources or open flame.
Information about storage in one common storage facility:
 Do not store together with alkaline products or strong acids or solvents.
 Store away from reducing agents.
 Store away from foodstuffs.
Further information about storage conditions:
 Store in cool, dry conditions in well sealed receptacles.
 Store receptacle in a well-ventilated area.
 Keep container tightly sealed.

Specific end use(s) No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:	Use local exhaust or dilution ventilation. If dust present use approved dust mask.
Hand protection:	Chemical resistant gloves.
Eye protection:	Safety goggles.
Skin protection:	Use body-covering impervious clothing.
Working hygiene:	Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

Exposure Guidelines:

Chlorine: TWA 3 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

<u>Property</u>	<u>Values</u>	<u>Odour</u>	<u>Remarks/Method</u>
Physical State	Powder		
Appearance	Free flowing	Odour	Slight Chlorine.
Colour	White.	Odour Threshold	No data available.
<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>	
pH 1 % solution	6.7	None known	
Melting/Freezing Point	No data available	None known	
Boiling Point/Range	No data available	None known	
Flash Point	Not applicable	None known	
Evaporation Rate	Not applicable.	None known	
Flammability (solid, gas)	Not flammable	None known	
Flammability Limit in Air:			
Upper Limit	No data available	None known	
Lower Limit	No data available	None known	

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Vapour Pressure	No data available	None known
Vapour density	No data available	None known
Specific Density	0.96 g/cm ³	
Water Solubility	Soluble in water.	None known
Solubility Other Solvents	No data available	None known
Partition Coefficient:		
n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition Temperature	No data available	None known
Kinematic Viscosity	No data available	None known
Dynamic Viscosity	No data available	None known
Explosive Properties	No data available	None known
Oxidizing Properties	No data available	None known

Other Properties:

Softening Point	No data available
VOC Content %	No data available
Particle Size	No data available
Particle Size Distribution	No data available

10. STABILITY AND REACTIVITY

Reactivity	Oxidising, avoid contact with reducing agents. Reacts with reducing agents. Contact with acids liberates toxic gas.
Chemical stability	Powerful oxidizing agent. Sodium dichloroisocyanurate reacts with water and acids evolving toxic chlorine gas. Decomposes in alkaline conditions evolving carbon dioxide, nitrogen and chloramine gases. Slightly hygroscopic.
Thermal decomposition/conditions to avoid:	Self accelerating decomposition with toxic gas starting at 50 C.
Possibility of hazardous reactions	Sodium dichloroisocyanurate reacts with acids evolving toxic chlorine gas the explosive gas nitrogen trichloride. Decomposes in alkaline conditions evolving carbon dioxide, nitrogen and chloramine gases.
Conditions to avoid	Store away from reducing agents, water, acids, bases salts of heavy metals, organic materials, flammable substances, wood sawdust.
Hazardous decomposition products	Sodium dichloroisocyanurate reacts with acids evolving toxic chlorine gas. Decomposes in alkaline conditions evolving carbon dioxide, nitrogen and chloramine gases.
Materials to avoid	Warning! Do not use together with other products other than directed on the product label.
Hazardous polymerization	Will not occur

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11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

Sodium Dichloroisocyanurate CAS # 2893-78-9:

LD50 Oral Rat: 1420 mg/kg

Primary irritant effect:

on the skin: Caustic effect on mucous membranes.

on the eye: Strong caustic or abrasive effect.

Sensitization: No sensitizing effects known.

Additional toxicological information: The product shows the following dangers according to the calculation method:

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12. ECOLOGICAL INFORMATION

Toxicity:	Not classified
Persistence and Degradability:	Not available
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available.
Other Adverse Effects	
Other Information:	Avoid release to the environment.

13. DISPOSAL

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment.

14. TRANSPORTATION INFORMATION

Canadian T.D.G.: Regulated Material

Proper Shipping Name: Dichloroisocyanuric acid salts.

Contains: N/A

Hazard Class: 5.1

ID Number: UN 2465

Packing Group: II



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U.S. Department of Transportation (DOT): Regulated material

Proper Shipping Name: Dichloroisocyanric acid salts.

Contains: N/A

Hazard Class: 5.1

ID Number: UN 2465

Packing Group: II



Water Transportation (IMDG): Regulated Material

Proper Shipping Name: Dichloroisocyanric acid salts.

Contains: N/A

Hazard Class: 5.1

ID Number: UN 2465

Packing Group: II



Air Transportation (IATA): Regulated Material

Proper Shipping Name: Dichloroisocyanric acid salts.

Contains: N/A

Hazard Class: 5.1

ID Number: UN 2465

Packing Group: II

15. REGULATION

Occupational Health & Safety Regulations:

WHMIS 1988 Classification: Class C Class E

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OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	-
PICCS	-
AICS	Complies

Legend:

TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

EPA TSCA Inventory Appears.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.



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HMIS III Rating

Health: 2 Hazard

Flammability: 0 Minimal Hazard

Physical: 2 Hazard

Personal Protection: C

SDS US (GHS HazCom 2012 and WHMIS 2015)

16. OTHER INFORMATION

Prepared By: Parkside Professional Products Ltd.
4777 Kent Avenue
Niagara Falls, Ontario
L2H 1J5
905-358-8364

Issuing Date: March 27, 2019

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However, we do not assume accuracy or completeness of the information contained herein.

Final determination of the 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.

End of Safety Data Sheet