

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Nypower Industries Ltd.
111 Fisher Street
Okotoks, AB. T1S 1A8

Phone: 403-995-2588
In Case of Emergency: 403-998-7297

Product name: Tile Power
Other Name:
Distributed by:
Product Use: Tile, Toilet Bowl and Bathroom Cleaner
Date Completed: January, 2015

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	%W/W	CAS Number
Phosphoric Acid	12-18	7664-38-3
Ethylene Glycol Monobutyl Ether	3-7	111-76-2
Isopropyl Alcohol	3-7	67-63-0
Citric Acid	1-4	77-92-9

3. HAZARDS IDENTIFICATION

Eye and Skin irritant. Harmful if swallowed

4. FIRST AID MEASURES

Inhalation: Move victim to fresh air
Ingestion: Do not induce vomiting. Rinse mouth with milk or water. Get immediate medical attention.
Eye contact: Flush with water for 20 minutes. Get medical attention.
Skin contact: Rinse thoroughly with water. Wash clothing before reuse.
In all cases: If symptoms persist seek medical attention.

5. FIRE - FIGHTING MEASURES

Flash point (test method): Not applicable
Flammable limits: Non-flammable
Lower: Not applicable
Upper: Not applicable
Fire extinguishing substances: Use extinguishing media appropriate for surrounding fire
Autoignition temperatures: Not applicable
Hazardous combustion products: Not applicable
Explosion data:
Sensitivity to mechanical impact: Not applicable
Sensitivity to static discharge: Not applicable
Special firefighting procedures: As for surrounding fire

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate protective equipment
Environmental precautions: Prevent from entering sewers, waterways or low areas
Methods for cleaning up: Dike and contain. Collect and reuse if possible. Absorb with Inert material and place in waste containers. Small spills can be flushed or wiped. Do not allow runoff into public waterways

7. HANDLING AND STORAGE

Handling: Close container when not in use. Avoid transfer of product. Wash thoroughly after handling.
Storage: Store in a cool dry area. Keep out of reach of children. Do not freeze

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Use in ventilated area if possible
Respiratory protection: If exposure exceeds occupational limits, use appropriate NIOSH Approved respirator
Eye protection: Chemical goggles. Wear a face shield if splashing hazards exists
Other protection: Wear protective clothing as necessary to prevent skin contact

Exposure limits:

INGREDIENT	ACGIH	OSHA	Other
Phosphoric Acid	1 mg/m ³		
Ethylene Glycol Monobutyl Ether	20 ppm TWA		
Isopropyl Alcohol	200 ppm TWA		
Citric Acid	Not available		

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid	Solubility in water:	Complete
Boiling point:	101°C	Vapour pressure:	Like water
Vapour density:	Like water	Evaporation rate:	Like water
Freezing point:	-2°C	Odour threshold:	Not available
Specific gravity:	1.0387	pH:	2.8
Appearance & odour:	Green/Wintergreen		

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions of instability: Product is stable
Incompatibility: () Water () Oxidizers (X) Acid () Base () Other
Strong acids
Conditions of reactivity: None known
Hazardous decomposition products: None known

11. TOXICOLGICAL PROPERTIES

POTENTIAL ACUTE HEALTH EFFECTS

Ingestion: May cause irritation or burning of gastrointestinal tract, nausea, and diarrhea.
Eye contact: Direct contact may cause irritation, redness
Skin Contact: May cause irritation, and redness. Butyl may be absorbed through skin with prolonged or repeated contact

POTENTIAL CHRONIC HEALTH EFFECTS:

Inhalation: Not available
Ingestion: Not available
Eye contact: Not available
Skin contact: Not available
Skin absorption: Not available
Irritancy of product: See WHMIS criteria
Sensitization of product: Not available
Carcinogenicity: No known significant effects
Reproductive toxicity: No known significant effects
Mutagenicity: No known significant effects
Synergistic product: Not available

HAZARDOUS INGREDIENTS	CAS NO.	TOXICITY DATA
Phosphoric Acid	7664-38-3	LD ₅₀ Oral (Rat) 1530 mg/kg LD ₅₀ Dermal (Rabbit) 2730 mg/kg
Ethylene Glycol Monobutyl Ether	111-76-2	LD ₅₀ Oral (Mouse) 1230 mg/kg LD ₅₀ Oral (Rat) 917 mg/kg LD ₅₀ Oral (Guinea pig) 1200 mg/kg LD ₅₀ Oral (Rabbit) 320 mg/kg LD ₅₀ Dermal (Rabbit) 320 mg/kg LC ₅₀ Inhalation (Rat) 450 ppm/4H LC ₅₀ Inhalation (Mouse) 700ppm/7H
Isopropyl Alcohol	67-63-0	LD ₅₀ Dermal (Rabbit) 12800 mg/kg LC ₅₀ Inhalation (Rat) 12000 ppm/8H LD ₅₀ Oral (Mouse) 3600 mg/kg LD ₅₀ Oral (Rat) 5045 mg/kg
Citric Acid	77-92-9	LD ₅₀ Oral (Rat) 3000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicological information: Not Available
Other information:

13. DISPOSAL COSIDERATIONS

Waste disposal: Dispose of in a manner approved by local, provincial and federal regulations

14. TRANSPORT INFORMATION

TDG classification: 20L and 205L packages are:
PHOSPHORIC ACID SOLUTION
Class 8
P.G. II
1L and 4L packages are limited quantity

15. REGULATORY INFORMATION

WHMIS: D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

16. PREPARATION INFORMATION

Prepared by: Nypower Industries Ltd., Ph: (403) 995-2588

Disclaimer:

Notice to reader

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