



Safety Data Sheet

Section 1. Identification	
Product Identifier	T.N.T
	Version: 7 Effective Date: 25 January 2021
Other Means Of Identification	None
Initial Supplier Identifiers	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055
Recommended Use and Restrictions On Use	Tile and tub cleaner/descaler, hard water deposit remover. No restrictions.
Product Family	Blend
Emergency Phone	1-855-887-2055 Monday - Friday 8:00am - 4:30pm MST

Section 2. Hazard Identification	
Hazard Classification	 
Physical Hazards	Corrosive to Metals – Category 1
Health Hazards	Acute Toxicity (Dermal) – Category 4 Skin Corrosion/Irritation – Category 1B Eye Damage/Irritation - Category 1
Signal Word	Danger
Hazard Statement	May be corrosive to metals. Harmful in contact with skin. Causes severe skin burns and eye damage. Causes serious eye damage.
Precautionary Prevention Statement	Keep in original packaging only. Wear protective gloves, clothing eye and face protection. Do not inhale dust or mist. Wash hands thoroughly after handling.
Precautionary Response Statement	Absorb spillage to prevent material damage. IF ON SKIN (or hair): Immediately remove all contaminated clothing and launder before reuse. Rinse and wash skin with water or shower if on clothing. Seek medical attention if you feel unwell. Specific treatment: Do not induce vomiting unless directed by medical personnel. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Safety Data Sheet

	<p>IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately seek medical attention.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately seek medical attention.</p>
Precautionary Storage Statement	Store locked up.
Precautionary Disposal Statement	Dispose of contents/container in accordance with local regulations.
Other Hazards	None

Section 3. Composition / Information on Ingredients

Chemical Name	Common Name or Synonyms	CAS No. and Other Unique Identifiers	% by weight
Phosphoric Acid	N/A	7664-38-2	5 - 15
Balance of ingredients are considered non hazardous and constitute a proprietary blend			

Section 4. First-Aid Measures

Eye Contact	Flush eyes with water for 15 minutes. Seek medical attention.
Skin Contact	Flush area with water. If irritation persists, seek medical attention. Launder clothing before reuse.
Inhalation	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
Ingestion	Rinse out mouth, and give two glasses of water. Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention.
Most Important Symptoms and Effects Both Acute and Delayed	Irritation, nausea, headache, shortness of breath. May cause severe burns and ulceration. May cause irreversible eye injury. May cause gastrointestinal burns, corrosion and permanent tissue damage of the digestive tract and oesophagus.
Immediate Medical Attention and Special Treatment	Wipe off contact area with dry cloth if possible before flushing with water. Dispose of cloth by soaking in water. Wash skin area with plenty of water.

Section 5. Fire-Fighting Measures

Suitable and Unsuitable Extinguishing Media	Use extinguishing media suitable for the surrounding fire.
--	--

Safety Data Sheet

Hazardous Combustion Products	Oxides of phosphorus.
Specific Hazards Arising From the Product	Hydrogen gas is released in contact with most metals. Combustion products may include carbon oxides and other toxic gases.
Special Protective Equipment and Precautions For Fire-Fighters	Fire-fighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire.

Section 6. Accidental Release Measures	
Personal Precautions, Protective Equipment and Emergency Procedures	Chemical resistant (rubber / neoprene) gloves, coveralls and footwear. Keep unprotected persons away. Ensure adequate ventilation.
Environmental Precautions	Do not allow spilled material to enter surface drains and watercourses.
Methods and Materials For Containment and Clean-Up	Stop the leak at source. Contain spilled material using dikes. Only persons with protective equipment should be allowed in the area. Pump up spilled material and place in a suitable container for disposal. Cover contaminated area with soda ash or sodium bicarbonate/ flaked lime (50:50 mix). Mix to a slurry – add water if needed. Scoop up slurry for disposal. Wash area with soda ash solution.

Section 7. Handling and Storage	
Precautions For Safe Handling	Handle with care. To dilute, add product to water slowly to prevent boiling and splattering.
Conditions For Safe Storage	Store in a cool dry place. Keep containers closed when not in use. Empty containers may contain hazardous residues.

Section 8. Exposure Controls / Personal Protection				
Control Parameters	TWA: 8 Hr	STEL: 15 min	Ceiling	IDLH *
Phosphoric Acid	1 mg/m ³ (CAD AB OEL)	3 mg/m ³ (CAD AB OEL)		1000 mg/m ³
* Immediately Dangerous to Life and Health				
Exposure Controls	Local exhaust ventilation			
Appropriate Engineering Controls	Ensure eye wash station and safety shower are available.			
Individual Protective Measures				
Eye / Face Protection	Safety glasses.			

Safety Data Sheet

Skin Protection	Chemical resistant (rubber/ neoprene) gloves, coveralls and footwear
Respiratory Protection	Air purifying respirator fitted with cartridges for acid vapours and mists

Section 9. Physical and Chemical Properties	
Appearance	Green viscous liquid
Odour	Sharp odour
Odour Threshold	Not applicable
pH	1.5
Flash Point	> 93 °C
Boiling Point and Boiling Range	No data
Melting Point and Freezing Point	No data
Evaporation Rate	No data
Flammability (solid, gas)	Not applicable
Upper and Lower Flammability or Explosive Limits	No data
Vapour Pressure	No data
Vapour Density	No data
Relative Density	1.092
Solubility	Soluble
Partition co-efficient, n-Octanol/Water	No data
Auto-ignition Temperature	No data
Decomposition Temperature	No data
Viscosity	No data

Section 10. Stability and Reactivity	
Reactivity	Reacts with acids and metals
Chemical Stability	Stable
Possibility of Hazardous Reactions	Reaction with some incompatible materials – aldehydes/epoxides, can cause polymerization
Conditions to Avoid	None known
Incompatible Materials	Avoid contact with: fluorine, strong oxidizing agents, strong bases, metals, sulphur trioxide, phosphorus pentoxide
Hazardous Decomposition Products	This material will react with metals to produce hydrogen gas which can form explosive mixtures in air.

Safety Data Sheet

Section 11. Toxicological Information	
Component Toxicity	LD50 Oral LD50 Dermal LC50 Inhalation
Phosphoric Acid	1530mg/kg 2730mg/kg (Rabbit) 850 mg/m ³ (Rat) (Rat)
Likely Routes of Exposure	
Skin:	May cause severe skin burns.
Eyes:	May cause severe burns and even permanent blindness.
Inhalation:	May cause severe irritation of the respiratory tract. Breathing this material may be harmful or fatal.
Ingestion:	May cause burns and destroy tissue in the mouth, throat and digestive tract. Symptoms may include irritation of the digestive tract – nausea, vomiting and diarrhoea – abdominal pain and vomiting of blood. Ingestion may be fatal.
Acute Toxicity Estimates (ATE)	No data
STOT (Specific Target Organ Toxicity) – Single Exposure	Not classified
Aspiration Toxicity	Not classified
STOT (Specific Target Organ Toxicity) – Repeated Exposure	Not classified
Skin Corrosion / Irritation	Corrosive
Serious Eye Damage / Irritation	Corrosive
Respiratory or Skin Sensitization	Not classified
Carcinogenicity	This substance has no evidence of carcinogenic properties.
Reproductive Toxicity	
- Sexual Function and Fertility	Not classified
- Development of Offspring	Not classified
- Effects on or via Lactation	Not classified
Germ Cell Mutagenicity	Not classified
Interactive Effects	None known
Other Information	None known



Safety Data Sheet

Section 12. Ecological Information	
Ecotoxicity	Phosphoric acid: LC50: 3 – 3.5 mg/L (<i>Gambusia affinis</i>)
Persistence and Degradability	Will not persist
Bioaccumulative Potential	Not available
Biodegradability	Not available
Mobility in Soil	Not available
Other Adverse Effects	Material is practically not toxic to fish

Section 13. Disposal Considerations	
Disposal Considerations	Dispose of contents/container in accordance with local regulations.

Section 14. Transport Information	
UN Number	UN1805
UN Proper Shipping Name	Phosphoric acid solution
Transport Hazard Class(es)	8
Packaging Group	III
Environmental Hazards	Not applicable
Bulk Transport	241 (49 CFR 173.xxx)
Special Precaution	Not applicable
DOT Erg#	154

Section 15. Regulatory Information	
Canada – DSL Inventory	All components of this product are either on the Domestic Substances List (DSL), Non-Domestic Substances List (NDSL), or exempt
TSCA	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt
Additional Information	None

Section 16. Other Information	
NFPA Rating	Health-2/ Flammability-0/Reactivity-2/Special Hazard-Not applicable
HMIS Rating	Health-2/Flammability-0/Reactivity-2/Personal Protection-See Section 8.
Prepared by:	Chemfax Products Ltd., Technical Department
Date Prepared:	6 January, 2012

Date of Latest Revision: 25 January 2021

Disclaimer

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of 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.

Chemfax Products Ltd. expressly disclaims all expressed or implied warranties of merchantability and fitness for a particular purpose with respect to the product provided.