

Safety Data Sheet

Section 1. Identification	
Product Identifier	Blast
	Version: 9 Effective Date: 4 December 2020
Other Means Of Identification	None
Initial Supplier Identifier	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055
Recommended Use and Restrictions On Use	Toilet bowl cleaner. 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 (Oral) - Category 4 Skin Corrosion/Irritation - Category 1 Eye Damage/Irritation - Category 1 Specific Target Organ Toxicity – (Single Exposure) - Category 3
Signal Word	Danger
Hazard Statement	May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation.
Precautionary Prevention Statement	Keep in original packaging only. Use outdoors or in a well ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wear protective gloves, clothing, eye and face protection.
Precautionary Response Statement	Absorb spillage to prevent material damage. IF SWALLOWED: Call a doctor if you feel unwell. Rinse mouth. Do not induce vomiting.

Safety Data Sheet

	<p>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower if on clothing. Wash all contaminated clothing before re use.</p> <p>IF IHHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.</p>
Precautionary Storage Statement	Store locked up in a well-ventilated place. Keep container tightly closed.
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
Hydrochloric Acid	Muriatic acid	7647-01-0	10 - 30
Balance of ingredients are considered non hazardous and constitute a proprietary blend			

Section 4. First-Aid Measures

Eye Contact	Flush eyes with water for 30 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If irritation and pain continue seek immediate medical attention.
Skin Contact	Take off immediately all contaminated clothing and rinse area with water for at least 30 minutes. Seek immediate medical attention. Do not transport until irritation ceases. Wash all contaminated clothing before re use.
Inhalation	Remove victim to fresh air and keep comfortable for breathing. If there is difficulty breathing, seek immediate medical attention. CPR and oxygen should only be administered by trained persons.
Ingestion	Do NOT induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention. If conscious wash mouth out with water
Most Important Symptoms and Effects Acute and Delayed	Irritation and corrosion, cough, shortness of breath, cardiovascular disorders, and risk of blindness
Immediate Medical Attention and Special	Treatment should be based on sound judgment of the physician and individual reactions of the patient. Absorb spillage to prevent material

Treatment	damage.
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Section 5. Fire-Fighting Measures	
Suitable and Unsuitable Extinguishing Media	Use extinguishing media suitable for the surrounding fire.
Hazardous Combustion Products	When heated to decomposition, emits toxic hydrogen chloride fumes and will react with water or steam to produce heat and toxic and corrosive fumes. Thermal oxidative decomposition produces toxic fumes and explosive hydrogen gas.
Specific Hazards Arising From the Product	Not combustible. Ambient fire may liberate hazardous vapors. Fire may cause evolution of corrosive: Hydrogen chloride gas
Special Protective Equipment and Precautions for Fire-Fighters	<p>Fire-fighters should wear a self-contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire.</p> <p>Reacts with metals to generate flammable hydrogen gas. Containers exposed to intense heat from fires should be cooled with water to prevent vapour build up which could result in container rupture. Use water spray or fog to reduce or direct vapours.</p>

Section 6. Accidental Release Measures	
Personal Precautions, Protective Equipment, and Emergency Procedures	Chemical resistant (rubber / neoprene) gloves, coveralls, footwear and eye protection. Evacuate the danger area, observe emergency procedures and consult an expert. Advice for emergency responders: Protective equipment see section 8.
Environmental Precautions	Do not allow spilled material to enter surface drains or watercourses.
Methods and Materials for Containment and Clean-up	Isolate spill and stop leak. Restrict area to required and protected persons only. Ventilate area. Neutralize with lime slurry, limestone or soda ash. Flush area with water to remove residues.

Section 7. Handling and Storage	
Precautions for Safe Handling	Handle with care, corrosive material. Empty containers may contain hazardous residues. Never add water to this material. Do not mix with materials such as bleach.
Conditions for Safe Storage	Store locked up in a cool, dry, well ventilated area. Avoid direct sunlight. Keep containers closed when not in use. Drums may require venting to release internal pressure.

Safety Data Sheet

Section 8. Exposure Controls / Personal Protection				
Control Parameters	TWA: 8 Hr	STEL: 15 min	Ceiling	IDLH *
Hydrochloric Acid	2 ppm ACGIH		5ppm OPSHA	50 ppm
	* Immediately Dangerous to Life and Health			
Exposure Controls	Local exhaust ventilation			
Appropriate Engineering Controls	Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Ensure eye wash station and safety shower are available.			
Individual Protective Measures				
Eye and Face Protection	Safety glasses.			
Skin Protection	Chemical resistant (rubber/ neoprene) gloves, coveralls and footwear			
Respiratory Protection	If exposure limit is exceeded, use air purifying respirator fitted with cartridges for acid vapours and mists			

Section 9. Physical and Chemical Properties	
Appearance	Brown liquid
Odour	Pungent odour
Odour Threshold	Not available.
pH	0.1 (1 N aqueous solution)
Flash Point	N/A
Boiling Point and Boiling Range	IBP 48°C
Melting Point / Freezing Point	Not determined
Evaporation Rate	Not determined
Flammability (solid, gas)	N/A
Upper and Lower Flammability or Explosive Limits	No data
Vapour Pressure	14.1 kPa
Vapour Density	Not determined
Relative Density	1.09
Solubility	Soluble
Partition co-efficient, n-Octanol/Water	No data
Auto-ignition Temperature	No data
Decomposition Temperature	No data
Viscosity	No data

Safety Data Sheet

Section 10. Stability and Reactivity	
Reactivity	Corrosive in contact with metals
Chemical Stability	Stable
Possibility of Hazardous Reactions	Reaction with some incompatible materials – aldehydes / epoxides, can cause polymerisation
Conditions to Avoid	Heat and direct sunlight
Incompatible Materials	Strong bases, metals, metal oxides, hydroxides, amines, carbonates, alkalis, cyanides, sulphides, sulphites, and formaldehyde
Hazardous Decomposition Products	Will not decompose under normal conditions of use

Section 11. Toxicological Information			
Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydrochloric Acid	700mg/kg (Rat)	>5010mg/kg (Rabbit)	3124 ppm (Rat)
Likely Routes of Exposure			
Skin:	May cause severe skin burns.		
Eyes:	May cause severe burns and even permanent blindness.		
Inhalation:	May be corrosive to the respiratory passage. Vapours may cause pulmonary oedema (fluid in the lungs). Symptoms can be delayed for several hours.		
Ingestion:	Harmful if swallowed.		
Acute Toxicity Estimates (ATE)	Symptoms: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach. 1,892 mg/kg		
STOT (Specific Target Organ Toxicity) – Single Exposure	Target Organs: Respiratory system Mixture may cause respiratory irritation.		
Aspiration Toxicity	Not classified		
STOT (Specific Target Organ Toxicity) – Repeated Exposure	Not classified		
Skin Corrosion / Irritation	Corrosive		
Serious Eye Damage / Irritation	Mixture causes serious eye damage. Risk of blindness.		
Respiratory or Skin Sensitization	Not classified		
Carcinogenicity	This substance has no evidence of carcinogenic properties.		
Reproductive Toxicity - Sexual Function and	Not classified		

Safety Data Sheet

Fertility	
- Development of Offspring	Not classified
- Effects on or via Lactation	Not classified
Germ Cell Mutagenicity	Not classified
Interactive Effects	Not classified
Other Information	None known

Section 12. Ecological Information	
Ecotoxicity	Hydrochloric acid LC50: 282 mg/L (Gambusia affinis) LC50: 3.6 mg/L (Lepomis macrochirus)
Persistence and Degradability	Persistence is unlikely based on information available.
Bioaccumulative Potential	Not available
Biodegradability	Not available
Mobility in Soil	Not available
Special Remarks	Harmful to aquatic life at low concentrations. Toxicity is primarily associated with pH.
Other Adverse Effects	None known

Section 13. Disposal Considerations	
Disposal Considerations	Dispose of in accordance with local, provincial and national regulations

Section 14. Transport Information	
UN Number	1789 "Limited Quantity" for 909 ml size
UN Proper Shipping Name	Hydrochloric Acid Solution
Transport Hazard Class(es)	8
Packaging Group	III
Environmental Hazards	Not applicable
Bulk Transport	Not applicable
Special Precaution	Not applicable
DOT Erg#	157 for Hydrochloric acid

Safety Data Sheet

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:	5 January, 2012
Date of Latest Revision:	4 December 2020
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