

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Product Name: **BWT-DESCALE**

SECTION I – Product and Company Identification

Patriot Industrial Technologies, Ltd. Phone: (330) 699-4429
P.O. Box 151 Fax: (330) 699-9429
Uniontown, OH 44685 Date: June 6, 2006
Emergency Telephone Number: 1-800-255-3924

SECTION II - Hazardous Ingredients/Identity Information

<u>Hazardous Component</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>% Composition</u>
Hydrochloric Acid	7647-01-0	N.A.	7.0 mg/m3	30-50%
Urea	57-13-6	5.0 mg/m3	10.0 mg/m3	15-30%

SECTION III - Physical/Chemical Characteristics

Physical State:	Liquid	Vapor Density (AIR = 1):	N.A.
Color:	Pale Amber	Vapor Pressure (mm Hg):	N.A.
Odor:	N.A.	Solubility in Water:	Complete
Boiling Point:	N.A.	Specific Gravity (H ₂ O):	1.108
Melting Point:	N.A.	Evaporation Rate:	N.A.
pH	0.76		

SECTION IV - Fire and Explosion Hazard Data

Flash Point: > 212 F, TCC Fire Fighting Procedure: Wear self-contained breathing apparatus
Flammability Limits in Air: N.A. Unusual Fire or Explosion Hazards: None Known
Extinguishing Media: Water

SECTION V - Reactivity Data

Stability: Stable
Conditions to Avoid: Contact with metals
Materials to Avoid: Alkalies, Bleach, Oxidizers, Cyanides, Sulfides, Nitrates, Metals
Hazardous Decomposition Byproducts: Contact with bleach or chlorinating biocides may generate poisonous chlorine gas.
Contact with most metals may generate explosive hydrogen gas.
Hazardous Polymerization: Will not occur

SECTION VI – Health Hazard Data

Routes of entry: Inhalation: Yes Skin: Yes Ingestion: Yes
Health Hazards (Acute and Chronic): Causes severe irritation and possible permanent damage to eyes and skin. Ingestion will irritate mouth, throat, and stomach. Inhalation may cause permanent damage to respiratory system
Carcinogenicity: None NTP: No IARC Monographs: No OSHA Regulated: No
Signs and Symptoms of Exposure: May cause severe irritation to eyes, skin, mouth, throat, stomach, and respiratory system.
Medical Conditions Aggravated by Exposure: N.A.

SECTION VII - First Aid Procedures:

INGESTION and INHALATION- Contact physician immediately. Do not induce vomiting.
SKIN AND EYE CONTACT - Flush with water for 15 min. Contact a physician if irritation develops or persists.

SECTION VIII- Accidental Release Measures

In case of Release or Spill: Contain spill for proper disposal. This material is a hazardous waste.
Waste Disposal Method: Dispose of according to local, state, and federal regulations.

SECTION IX - Precautions for Safe Handling and Use

Handling and Storing: Safety goggles recommended.
Other Precautions: For industrial use only.

SECTION X - Control Measures / Personal Protection

Gloves: Rubber, plastic, or other impervious material

Respirator:	NIOSH approved suggested
Ventilation:	Local exhaust: As required Mechanical: Normal Special: None Other: None
Eye Protection:	Goggles
Other Protection:	None
Work/Hygienic Practices:	None

SECTION XI - Ecological Information - No information is available

DISCLAIMER

The information contained herein was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond Patriot Industrial Technologies control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising from the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this MSDS. Various government agencies (e.g., DOT, EPA, FDA) may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this MSDS. The user should review these regulations to ensure full compliance.