

MATERIAL SAFETY DATA SHEET

Curtis/GlenChem Corp.

Eddystone Industrial Park
2000 Industrial Highway
Eddystone, PA 19022-1513

Product: **I T C – BOOST**

Daytime Telephone: (610) 876-9906
24 Hour Emergency: CHEMTREC® (800) 424-9300

MSDS No.: T5029 - Rev. 2.1 Date: 04/99
Replaces - Rev. 2.0 05/98
Reason: Revision in formulation

-- SECTION 01 - IDENTIFICATION AND INFORMATION --

Product or Trade Name: I T C - BOOST
Chemical Name/Synonym: Proprietary acidic liquid compound
Chemical Family: Acidic liquid water treating and surfactant compound
Formula: Proprietary
Product Code: T5029

HMIS / NFPA
Hazard Rating:
Health: 2
Fire: 0
Reactivity: 1

Legend:
0 - Least
1 - Slight
2 - Moderate
3 - High
4 - Extreme

Product Description: Acidic liquid for wetting and water conditioning

-- SECTION 02 - PHYSICAL DATA --

Boiling Point: >212° F
Vapor Pressure: N/A
Vapor Density: N/A
Appearance: Clear, deep brown liquid
pH: 2.1 ± 0.1, as received

Solubility in Water: Complete
Specific Gravity: 1.05 (H₂O=1)
% Volatile by Volume: N/A
Odor: Surfactant
pH working solutions: 2.6

-- SECTION 03 - HAZARDOUS COMPONENTS --

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>% Range</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
* Phosphonic acid, [nitrilotris(methylene)]tris Inert and/or non-hazardous components	6419-19-8 -----	5-10 XXX	None Listed -----	None Listed -----

Note: Material may contain trace amounts of ethylene oxide (75-21-8) and propylene oxide (75-56-9) in quantities less than 0.0001%.

* Component hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200) or one or more state Right-To-Know lists.

-- SECTION 04 - FIRE AND EXPLOSION HAZARD DATA --

Flash Point: > 200° F (Extrapolated from data - will not burn unless all water is evaporated).
Extinguishing Media: Small Fire: CO₂, water fog, dry chemical; Large Fire: Alcohol-type or all-purpose-type foam.
Special Fire Fighting Procedures: Use self-contained breathing apparatus; water may be used to cool adjacent containers.

-- SECTION 05 - REACTIVITY DATA --

Stability: Stable.
Incompatibility: Strong oxidizers. However, this product is meant to be reacted with strong alkali in a dilute condition. A strong exothermic reaction will occur when mixing with solutions of high total alkalinity in high concentrations. Do not allow contact with chlorine or chlorine bearing compounds.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and nitrous oxide may form upon thermal degradation.
Hazardous Polymerization: Will not occur.

- Continued on following page -

-- SECTION 06 - SPILL, LEAK, AND DISPOSAL PROCEDURES --

Small Spills: Absorb with sand or inert material; scoop up and dispose to proper container.

Large Spills: Prevent spread of spill by dyking. Salvage uncontaminated material if possible. Absorb remainder of spill with inert material; scoop up and dispose to proper container.

ALWAYS DISPOSE OF MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES FOR THAT TYPE OF MATERIAL.

-- SECTION 07 - HEALTH HAZARD DATA --

EYE CONTACT:..... May cause irritation. Severe irritation or chemical burn may occur if not irrigated immediately.

SKIN CONTACT:..... Prolonged contact may cause dryness and dry skin irritation.

INHALATION:..... No data - situation not normally encountered.

INGESTION:..... Not determined. Thought to be irritating to the stomach.

EFFECTS OF OVEREXPOSURE:..... None currently known.

IARC and NTP..... NONE of the ingredients in this product are listed by the NTP, IARC, or OSHA as possible carcinogens.

-- SECTION 08 - FIRST AID --

EYES: Flush with water for a minimum of 15 minutes (industry safety standard for all materials). Seek medical attention if irritation persists.

SKIN:..... Flush with water; wash with soap and water after handling.

INHALATION:..... Remove to fresh air.

INGESTION:..... DO NOT INDUCE VOMITING - Seek medical attention. Never give anything by mouth to an unconscious person.

-- SECTION 09 - SPECIAL HANDLING INFORMATION --

VENTILATION:..... None normally required; product normally does not produce vapors or mist.

RESPIRATORY PROTECTION:..... None normally required; NIOSH approved respirator for mist conditions.

PROTECTIVE CLOTHING:..... Chemical resistant gloves when mixing or handling.

EYE PROTECTION:..... Tight fitting or chemical workers goggles if splashing is anticipated.

-- SECTION 10 - REGULATORY AND ADDITIONAL INFORMATION --

HANDLING AND STORAGE: Do not breathe vapors or mist. Do not allow contact with eyes, or leave in contact with skin for prolonged periods. Wash contaminated clothing prior to re-use. Do not allow contact with oxidizers other than under controlled conditions. Never allow contact with chlorine or chlorine bearing compounds. Empty Containers: Do not reuse empty containers for storage of foodstuffs or potable water. For returnable drums or drums set aside for reconditioner, empty drums as completely as possible and fit bungs tightly with undamaged closures. D.O.T. regulations forbid transportation of partially filled and unclosed containers.

D.O.T.: Shipping Classification: Acidic cleaning and water treating additive - Unregulated

TSCA - The ingredients in this material are listed on the TSCA Inventory.

SARA Title III Information (for amino(trimethylenephosphonic acid) as a component of this material): A) Sections 311/312 - Acute; B) Section 313 - Not Listed; C) Section 302 - Not Listed as an Extremely Hazardous Substance.

CERCLA Information (for the amino(trimethylenephosphonic acid) component): Not Listed in Table 302.4 of 40 CFR Part 302 as a hazardous substance with NRC RQs.

Abbreviations Used in this Material Safety Data Sheet: < = Less Than; > = Greater Than; N/A = Not Applicable; N/E = Not Established; N/L = Not Listed; N/D = Not Determined; TWA = Time Weighted Average; STEL = Short Term Exposure Limit; PEL = Permissible Exposure Limit; NIOSH = National Institute of Occupational Safety & Health; OSHA = Occupational Safety & Health Administration; ACGIH = American Conference of Government and Industrial Hygienists; NTP = National Toxicology Program; IARC = International Agency for the Registration of Carcinogens; TSCA = Toxic Substance Control Act; SARA = Superfund Amendment Reauthorization Act; RQs = Reportable Quantities; CERCLA = Comprehensive Environmental Response Compensation and Liability Act; NRC = National Response Center; RCRA = Resource Recovery and Conservation Act.

The information herein is given in good faith, but no warranty, express or implied, is made.