

FT HIGH pH CLEANER #190AK

35-1132

MATERIAL SAFETY DATA SHEET

Date Prepared: 12-24-03 By Charles D. Werner

SECTION 1 - PRODUCT IDENTIFICATION			
Manufacturer Name: Fortech Products by Formula Corporation		Emergency Phone No: 1-800-228-5635 ext 059	
Address: 7901 2nd Ave S., Seattle, WA 98108			
Trade Name: HIGH pH CLEANER			
Product Code: DL540001FT		Product Type/Use: General Purpose Cleaner Concentrate	
SECTION 2 - HAZARDOUS INGREDIENTS			
Chemical Name/Common Name:	CAS NO.	PERCENT	TLV (Source)
* Ethylene Glycol Monobutyl Ether	111-76-2	< 6	50 skin OSHA
* reportable under Section 313 of Title III and of 40 CFR 372			
Sodium Metasilicate		< 3	3 OSHA
SECTION 3 - PHYSICAL DATA			
Boiling Point: (F) 212	Specific Gravity: (H2O = 1.0)	1.0	pH: 11.8 - 12.8
Vapor Pressure: (mmHg) Not Determined	Vapor Density: Heavier than air		
Solubility In Water: Complete			
Evaporation Rate (vs ether) Slower			
Appearance and Odor: Liquid, non-viscous, BLUE/GREEN color and pleasant fragrance			
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA			
Flash Point (T.C.C.): NONE			
Extinguishing Media: nonflammable and non-explosive. No special procedures required.			
Special Fire Fighting Procedures: none required.			
Unusual Fire and Explosion Hazards: NOTHING SPECIAL.			
SECTION 5 - REACTIVE DATA			
Stability: Stable		Incompatibility: KEEP AWAY FROM ACIDS.	
Hazardous Decomposition Products: none			
SECTION 6 - HEALTH HAZARDS			
Threshold Limit Value - Product (See Section 2 for Ingredient TLV) None Established			
Primary Routes of Exposure : Eye - yes Skin-YES Oral-yes Inhalation-yes Other			
Signs and Symptoms of Over-exposure (Acute): EYES: Vapors and mists may irritate the eye. INHALATION: undiluted vapors and mists are harmful to the nose, and throat. Inhalation of higher concentration may cause headaches. SKIN: Prolonged contact with concentrate may burn the skin. Brief contact may irritate the skin, but this irritation is reversible.			
Chronic Health Hazards: Repeated overexposure to Ethylene glycol Monobutyl Ether may cause damage to the liver, kidneys and red blood cells. Inhalation of vapors or mists may cause varying degree of damage to the affected tissues and also increasing susceptibility to respiratory illness.			
Medical Conditions Aggravated by Over-exposure: Persons with skin disorders, impaired respiratory function may more susceptible to effects.			
Carcinogen or Suspect Carcinogen Ingredients : NTP - NO IARC - NO OSHA - NO NONE			
SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES			
Eyes: Flush with immediately with lots of running water for at least 15 minutes holding eyelids open. Get medical attention.			
Skin: Wash skin with soap and water. Remove contaminated clothing & shoes. Wash before reuse.			
Ingestion: DO NOT INDUCE VOMITING If vomiting occurs spontaneously, keep victims head below his hips to prevent his breathing vomitus into his lungs. Drink 1 to 8 glasses of water or milk to dilute. Call physician or poison control center immediately. Treat symptomatically. Do not give anything by mouth to an unconscious or convulsing person.			
Inhalation: Get to fresh air.			
SECTION 8 - SPECIAL PROTECTION INFORMATION			
Respiratory Protection: not normally required		Ventilation Requirements: Adequate ventilation required to keep exposure under TLV.	
Protective Gloves: Recommended. Eye Protection: Not normally required. Recommended if used overhead or misting or spraying.			
SECTION 9 - SPILL OR LEAK PROCEDURES			
Steps to be Taken if Released or Spilled: For small spills, mop or wipe up and contain. For large spills, contain by diking with absorbent material and contain. Rinse with water into sanitary sewer system.			
Waste Disposal Methods: Note that the contaminants of the product must be consider when disposing. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures and comply with them.			
SECTION 10 - STORAGE AND HANDLING INFORMATION			
Precautions to be Taken in Handling and Storage: Nothing special is required. Do not mix chemicals. Keep container tightly closed when not in use.			



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SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Redness, drying of skin, or other signs of irritation or contact dermatitis. May result in primary irritant dermatitis. ETHYLENE GLYCOL MONOBUTYL ETHER is readily absorbed through the skin causing headaches, nausea, vomiting, and diarrhea.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Vapors, mists, and liquid are irritating to the mouth and throat. Swallowing the liquid burns the tissues, and may cause severe abdominal pain, nausea, and vomiting. May cause red blood cell hemolysis, liver and kidney injury.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Repeated overexposure may cause damage to the liver, kidneys, and red blood cells. May be very irritating to the eyes on contact. Inhalation of vapors, or mists may cause varying degrees of damage to the affected tissues and also increasing susceptibility to respiratory illness.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

The components of this product are not considered to be carcinogens by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Persons with pre-existing dermatitis may be more susceptible to the effects of this material.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION - Remove to fresh air. Give artificial respiration if not breathing. **EYES** - Flush immediately with lots of running water for at least 15 minutes holding eye lids open. **GET MEDICAL ATTENTION.** **SKIN** - Immediately flush skin with lots of running water for at least 15 minutes. Remove contaminated clothing and shoes. **INGESTION** - Drink 1 to 8 glasses of water to dilute. **DO NOT INDUCE VOMITING.** Consult a physician or poison control center immediately. Treat symptomatically. Do not give anything by mouth to an unconscious or convulsing person.

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SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

For small spills dilute with water, mop or wipe up and contain. For large spills, contain by diking with absorbent material and carefully neutralize with a mild acid. Keep material out of sewers, storm drains, surface waters, and soil.

WASTE DISPOSAL METHOD

Comply with all applicable governmental regulations on spill reporting, handling and disposal of waste. Dispose of contaminated product and materials used in clean up in a manner approved for this material and the contaminant. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures and comply with them.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in a dry, well ventilated place away from incompatible materials. Keep container tightly closed when not in use. Store at temperatures above the solutions freezing point to remain liquid. Do not use pressure to empty container.

OTHER PRECAUTIONS

Empty containers usually still hold residues of material and vapors. These must be considered hazardous and disposed of in accordance with proper handling procedures prescribed for hazardous chemicals. When mixing with water, always add this product to water and stir.

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SECTION VIII - CONTROL MEASURES
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RESPIRATORY PROTECTION

In the absence of adequate ventilation an approved respirator may be required.

VENTILATION

Be sure to provide adequate ventilation in all working areas at all time. In general, health problems could result from repeated and prolonged exposure to chemical vapors.

PROTECTIVE GLOVES

Wear resistant gloves such as polyethylene or rubber.



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EYE PROTECTION

Chemical splash goggles should be worn during application of this product.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Where gross eye and skin contact may occur use and wear appropriate clothing, rubber boots with pants on the outside, and rubber gloves.

WORK/HYGIENIC PRACTICES

Standard hygienic practices must be observed when handling all chemicals.

SECTION IX - DISCLAIMER

Information contained herein is furnished without warranty of any kind. Employees should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and for the safety and health of employees.