MATERIAL SAFETY DATA SHEET

This MSDS Complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA 174

IDENTITY AND MANUFACTURER'S INFORMATION

NFPA Rating: Health- ; Flammability- ; Reactivity- ; Special-	**HMIS Rating:** Health- ; Flammability- ; Reactivity- ; Personal Protection-
Manufacturer's Name: NuTech Specialties, Inc. 9811 South 6150 West West Jordan, UT 84088	**DOT Hazard Classification:** **Identity** (trade name as used on label) **#384 BOILER TREATMENT**
Date Prepared:09/030/2006 Prepared By: APO	**MSDS Number:** Revision-
Information Calls: (801)253-1000 **EMERGENCY RESPONSE NUMBER: 1-800-621-7859**	NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA

SECTION 1 – MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	Approx % wt.	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source**
POTASSIUM HYDROXIDE	**1310-58-3**	**PROPRIETARY**			
THE BALANCE OF THE COMPONENTS OF THE FORMULA COMPRISES PROPRIETARY INFORMATION					

SECTION 2 – PHYSICAL/CHEMICAL CHARACTORISTICS

Boiling Point:	**Specific Gravity** (H2O=1): 13.0 TO 13.5
Vapor Pressure:	**Vapor Pressure** (Non-Aerosols)(mm Hg and Temperature):
Vapor Density (Air = 1)	**Evaporation Rate (H2O= 1)**
Solubility in Water: NONE BELOW 212 F	**Water Reactive:**
Appearance and Odor: BROWN LIQUID WITH SLIGHT AMMONIA SMELL	**PH:**

SECTION 3 – FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols)	Auto Ignition Temperature	Flammability Limits in Air by % in Volume %LEL: %UEL:
FLASH POINT AND METHOD USED (NON-AEROSOLS): NONE BELOW 212	**EXTINGUISHER MEDIA: WATER FOG, CARBON DIOXIDE, FOAM, DRY CHEMICAL**	

Unusual Fire & Explosion Hazards: NONE

SECTION 4 – REACTIVITY HAZARD DATA

STABILITY [xx] STABLE [ ] UNSTABLE	**HAZARDOUS POLYMERIZATION [ ] WILL [xx] WILL NOT OCCUR**
Incompatibility (Mat. To avoid): STRONG ACIDS AND OXIDIZERS	**Conditions to Avoid: STRONG ACIDS AND OXIDIZERS**

Hazardous Decomposition Products: SULFUR DIOXIDE

SECTION 5 – HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: [X INHALATION [X] INGESTION [X] SKIN ABSORPTION [X] EYE [ ] NON HAZARDOUS

INHALATION: IN CONTACT WITH STRONG ACIDS, MAY GENERATE SULFUR DIOXIDE GAS IN QUANTITIES WHICH WITH OUT ADEQUATE VENTILATION MAY BE HAZARDOUS TO HUMAN HEALTH

Eye Contact: DESTRUCTIVE TO EYE TISSUES. WILL CAUSE BURNS THAT RESULT IN DAMAGE TO THE EYES AND EVEN BLINDNESS	**Skin Contact: MATERIAL MAY BE DESTRUCTIVE TO SKIN TISSUES**

Ingestion: CAN CAUSE SEVERE BURNS AND COMPLETE TISSUE PERFORATION OF MUCOUS MEMBRANES OF THE MOUTH, THROAT, ESOPHAGUS, AND STOMACH IF SWALLOWED

CHRONIC EFFECTS:

Medical Conditions Generally Aggravated by Exposure:

EMERGENCY FIRST AID PROCEDURES

Eye Contact: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES HOLDING EYE LIDS APART TO ENSURE FLUSHING OF THE ENTIRE EYE SURFACE. WASHING EYES WITH 1 MINUTE IS ESSENTIAL TO ACHIEVE MAXIMUM EFFECTIVENESS. SEEK MEDICAL ATTENTION IMMEDIATELY

Skin Contact: IMMEDIATELY WASH SKIN WITH PLENTY OF WATER. THIS MAY BE FOLLOWED WITH A RINSE WITH VINEGAR OR DILUTE ACETIC ACID (3% SOLUTION) IF AVAILABLE. REMOVE CONTAMINATED CLOTHING AND FOOTWARE AND WASH BEFORE RE-USE. SEEK MEDICAL ATTENTION IMMEDIATELY

Inhalation: GET PERSON TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. OXYGEN MAY BE ADMINISTERED, IF READILY AVAILABLE. SEEK MEDICAL ATTENTION IMMEDIATELY

Ingestion: IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. IF AVAILABLE, GIVE SEVERAL GLASSES OF MILK. NEVER GIVE ANYTHING MY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL ATTENTION IMMEDIATELY

SECTION 6 – CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): NONE REQUIRED

Protective Gloves: RECOMMENDED, RUBBER	**Eye Protection: SPLASH PROOF CHEMICAL GOGGLES**

Ventilation Requirements: YES, ADEQUATE

Other Protective Clothing & Equipment: AVOID SKIN CONTACT, EYE WASH STATION, SAFETY SHOWER, ETC

Hygienic Work Practices:

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: SWEEP UP AND RETURN TO ORIGINAL CONTAINER. FLUSH WITH WATER, CONTAIN THE SPILL. NEUTRALIZE WITH DILUTE ACID AND DISPOSE OF AS SOLID WASTE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS

Waste Disposal Methods: RINSE ANY RESIDUE DOWN DRAIN OR ABSORB ONTO WET RAGS. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS

Precautions To Be Taken In Handling & Storage: NORMAL SAFE HANDLING PROCEDURES. KEEP CONTAINER CLOSED WHEN NOT IN USE

Other Precautions &/or Special Hazards: PROTECT SKIN AND EYES. KEEP OUT OF REACH OF CHILDREN

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

**Chemical Listed as Carcinogen. [a] NTP [b] ARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only