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) **#522 INHIBITOR**
Date Prepared:09/012/2006 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**
POLYACRYLIC ACID	**9003-01-4**	**>3**			
POLY MALEIC ACID	**110-16-7**	**>4**			
SODIUM HYDROXIDE	**1310-73-2**	**>4**		**2 MG/M3**	
2-PHOSPHONO-1,2,4 BUTANETRICARBOXYLIC ACID	**37971-36-1**	**>2**			

SECTION 2 – PHYSICAL/CHEMICAL CHARACTORISTICS

Boiling Point: ABOVE 212 DEGREES F	**Specific Gravity** (H2O=1): 1.1
Vapor Pressure:	**Vapor Pressure** (Non-Aerosols)(mm Hg and Temperature):
Vapor Density (Air = 1)	**Evaporation Rate (H2O= 1)**
Solubility in Water: COMPLETE IN WATER	**Water Reactive:**
Appearance and Odor: LIGHT YELLOW TO AMBER LIQUID, SLIGHT ODOR	**PH: 11-12**

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): NON-FLAMABLE	**EXTINGUISHER MEDIA: WATER SPRAY, FOAM, CARBON DIOXIDE**

Unusual Fire & Explosion Hazards: PRODUCT IS NON-FLAMMABLE

SECTION 4 – REACTIVITY HAZARD DATA

STABILITY [xx] STABLE [ ] UNSTABLE	**HAZARDOUS POLYMERIZATION [ ] WILL [xx] WILL NOT OCCUR**
Incompatibility (Mat. To avoid): STRONG ACIDS	**Conditions to Avoid: NONE**

Hazardous Decomposition Products: OXIDES OF CARBON

SECTION 5 – HEALTH HAZARD DATA

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

INHALATION: MAY CAUSE IRRITATION TO MUCOUS MEMBRANES AND THE LUNGS. EXPOSED INDIVIDUALS SHOULD BE MONITORED FOR RESPIRATORY DISTRES, BRONCHITIS AND PNEUMONIA

Eye Contact: MAY CAUSE IRRITATION	**Skin Contact: EXPOSURE CAN CAUSE IRRITATION**

Ingestion: MAY CAUSE IRRITATION

CHRONIC EFFECTS:

Medical Conditions Generally Aggravated by Exposure:

EMERGENCY FIRST AID PROCEDURES

Eye Contact: CALL PHYSICIAN IMMEDIATELY-PREFERABLY AN OPTHAMOLOGIST. FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES

Skin Contact: FLUSH SKIN WITH PLENTY OF SOAP AND WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. SEE PHYSICIAN

Inhalation: IMMEDIATELY REMOVE PATIENT FROM CONTAMINATED ATMOSPERE

Ingestion: DO NOT INDUCE VOMITING. GIVE LARGE QUANTITY OF WATER AS SOON AS POSSIBLE FOLLOWED BY MILK OR 2 OZ. OF MILK OF MAGNESIA TO DRINK TO STOP THE BURNING EFFECT. SEE A PHYSICIAN IMMEDIATELY

SECTION 6 – CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): U.S. BUREAU OF MINES APPROVED

Protective Gloves: RUBBER OR NEOPRENE	**Eye Protection: CHEMICAL SAFETY GOGGLES AND FACE SHIELDS**

Ventilation Requirements: NONE FOR NORMAL USE. SELF CONTAINED BREATHING APPARATUS FOR SEVERE EXPOSURE

Other Protective Clothing & Equipment: RUBBER BOOTS. IN CONSIDERABLE EXPOSURE A FULL RUBBER SUIT SHOULD BE USED. EYE WASH FOUNTAIN AND SAFETY SHOWER HIGHLY RECOMMENDED

Hygienic Work Practices:

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: DO NOT BREATH VAPOR, GET IN EYES, ON SKIN, OR ON CLOTHES. KEEP PERSONNEL UPWIND OF SPILL AND DO NOT ENTER AREA UNLESS EQUIPPED WITH FULL PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS

Waste Disposal Methods: NEUTRALIZE WITH LIME AND FLUSH WITH WATER. RUNN OFF TO SEWER MAY CREATE A HAZARD IN THE CASE OF LARGE SPILLS; NOTIFY AUTHORITIES

Precautions To Be Taken In Handling & Storage: STORE IN WELL VENTILATED BUILDINGS OR SHEDS. PROTECT AGAINST HEAT AND PHYSICAL DAMAGE. DO NOT GET INTO EYES, ON SKIN, ON CLOTHING. DO NOT BREATH VAPOR. KEEP CONTAINER CLOSED. WASH THROUGHLY AFTER HANDLING

Other Precautions &/or Special Hazards:

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