

#36420

# MATERIAL SAFETY DATA SHEET

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

P1

IDENTITY AND MANUFACTURER'S INFORMATION	
NFPA Rating: Health-3; Flammability-0; Reactivity-0; Special- -	HMIS Rating: Health-3; Flammability-0; Reactivity-0; Personal Protection-B
Manufacturer's Name: AMREP, INC. Address: 990 Industrial Park Drive Marietta, GA 30062	DOT Hazard Classification: Corrosive Material 8 Identity (trade name as used on label): <b>MISTY BWT-101</b>
Date Prepared: 06/10/93 Prepared By: ES	MSDS Number: WT 208 Revision - 5
Information Calls: (404)422-2071	NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA
EMERGENCY RESPONSE NUMBER: 1(800)255-3924	

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION					
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
SODIUM HYDROXIDE	1310-73-2	No	2mg/m3	2mg/m3	d
SODIUM SULFITE	7757-83-7	No	N/E	N/E	d

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS	
Boiling Point: 100°C	Specific Gravity (H2O=1): 1.10
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A	Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/D
Vapor Density (Air = 1): N/D	Evaporation Rate (water = 1): 1.0
Solubility in Water: Miscible	Water Reactive: No
Appearance and Odor: Hazy, colorless, non-viscous liquid with weak ammoniacal odor.	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA		
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A	Auto Ignition Temperature N/A	Flammability Limits in Air by % in Volume: % LEL: N/A    % UEL: N/A
FLASH POINT AND METHOD USED (non-aerosols): Non-combustible	EXTINGUISHER MEDIA: Non-combustible. Use media compatible with surrounding fire.	
SPECIAL FIRE FIGHTING PROCEDURES: None required.	Unusual Fire & Explosion Hazards: Material may react with exposed metal surfaces (such as aluminum) to generate flammable hydrogen gas.	

SECTION 4 - REACTIVITY HAZARD DATA	
STABILITY [X] STABLE [ ] UNSTABLE	HAZARDOUS POLYMERIZATION [ ] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid): Strong acids, exposed active metal (aluminum) surfaces.	Conditions to Avoid: None known
Hazardous Decomposition Products: Sulfur dioxide, sodium sulfide, sodium oxide, oxides of nitrogen.	

SECTION 5 - HEALTH HAZARD DATA	
PRIMARY ROUTES OF ENTRY: [ ] INHALATION [ ] INGESTION [X] SKIN ABSORPTION [X] EYE [ ] NOT HAZARDOUS	
ACUTE EFFECTS: None known.	
Inhalation: Not expected to occur. Inhalation of spray or mist is highly irritating. Prolonged contact can be corrosive.	
Eye Contact: Highly irritating. Prolonged contact can be corrosive.	Skin Contact: Irritating. Prolonged contact can be corrosive.
Ingestion: Corrosive to gastrointestinal, mouth and throat tissues. Large quantities can be toxic.	
CHRONIC EFFECTS: None known.	
Medical Conditions Generally Aggravated by Exposure: None known.	

EMERGENCY FIRST AID PROCEDURES	
Eye Contact: Immediately flush with water for 15 minutes. Get medical attention.	
Skin Contact: Wash and rinse thoroughly with water.	
Inhalation: Remove to fresh air.	
Ingestion: DO NOT INDUCE VOMITING. Drink large quantity of water. Get medical attention.	

SECTION 6 - CONTROL AND PROTECTIVE MEASURES	
Respiratory Protection (specify type): None required.	
Protective Gloves: Rubber or chemical resistant, if desired.	Eye Protection: Chemical goggles.
Ventilation Requirements: No special ventilation needed.	
Other Protective Clothing & Equipment: Rubber boots and apron under splashing conditions. Eyewash stations and safety showers.	
Hygienic Work Practices: Do not eat or drink in work areas. Wash after handling.	

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE	
Steps To Be Taken If Material is Spilled Or Released: Soak up in absorbent material and place in properly labeled non-leaking, sealed containers for proper authorized hazardous waste disposal.	
Waste Disposal Methods: Dispose of in accordance with all applicable local, state and federal regulations.	
Precautions To Be Taken in Handling & Storage: Store in original container. Keep container sealed when not in use. Protect from extreme heat or cold. Shelf life one year.	
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read and follow label directions.	

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 or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only

36420

1-cm# 36400  
**M A T E R I A L   S A F E T Y   D A T A   S H E E T**

97

**PRODUCT NAME: 6201**

(As used on label) S/G Num: 33361 Date Prepared: 12/ 1/91

**MSDS RATINGS:** Health = 2, Flammability = 0, Reactivity = 0, Special Hazard = Alkaline; CORROSIVE

**SECTION I (Manufacturer and Emergency Information)**

CH2O Incorporated P.O. Box 1190 Olympia, WA 98507 1-800-943-6063 \*\*\*\*\*IN AN EMERGENCY: Call Chemtrec 1-800-424-9300 \*\*\*\*\*

**SECTION II (Ingredient Identity and Information)**

	%	OSHA PEL	ACGIH TLV
-----			
This product is a proprietary chemical mixture.			
Sodium hydroxide, CAS#: 1310-73-2		2 mg/m3	2 mg/m3

**SECTION III (Physical / Chemical Characteristics)**

Specific Gravity: 1.15      pH (1% soln.): 12+      % Volatile: 80+  
 Solubility (in H2O): Complete      Appearance and Odor: Colorless to lt. tan liquid; mild odor.

**SECTION IV (Fire and Explosion Hazard Data)**

**FLASH POINT (closed cup):**      **EXTINGUISHING MEDIA:** Water, Foam, Dry Chemical, Carbon Dioxide  
**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained, positive pressure breathing apparatus and full fire fighting clothing.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Strong oxidizer when water is removed. Combustible materials may catch fire more easily after being wet with this product and then dried. Fires are difficult to extinguish. Releases toxic gases at high temperatures (490oC).

**SECTION V (Reactivity Data)**

**STABILITY:** Stable: X    Unstable:  
**INCOMPATIBILITY:** Acids, ammonium salts, amines, activated carbon, cyanides, reducing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:**  
 Nitrogen oxide gases; nitrosamines.

**SECTION VI (Health-Hazard Data)**

**ROUTE(S) OF ENTRY:**    Ingestion: X    Inhalation: X    Skin: X

**HEALTH HAZARDS (Acute and Chronic):**

This is a moderately alkaline product. Eye contact will cause severe irritation and / or burns. Prolonged or repeated skin contact can cause irritation and possibly dermatitis. Ingestion will cause damage to the stomach and other tissues contacted. Excessive inhalation of product mists can cause irritation to the respiratory system.

**CARCINOGENICITY:**    NTP:      IARC:      OSHA:

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** NA

**EMERGENCY AND FIRST AID PROCEDURES:**

- EYES:** Flush with large amounts of water, lifting upper and lower lids occasionally.
- SKIN:** Wash exposed areas thoroughly with soap and water until slick feeling is gone.  
           Remove contaminated clothing and launder before use.
- INGESTION:** Give large quantities of water. DO NOT INDUCE VOMITING. If vomiting occurs administer additional fluids.  
           Never give anything by mouth to an unconscious person.
- INHALATION:** Remove individual to fresh air. If breathing is difficult give oxygen.

**GET MEDICAL ATTENTION IF SYMPTOMS PERSIST**

**SECTION VII (Safe Handling And Use)**

- SPILL RESPONSE:** Only trained personnel equipped with proper protective gear should be permitted in the area.  
           Stop spill at source. Collect any possible material for reuse. After all visible traces have been removed, flush area thoroughly with fresh water.
- WASTE DISPOSAL METHOD:** Dispose of all waste in accordance with local, state, and federal regulations.  
           Care must be taken in disposal of product/container to prevent environmental contamination.
- HANDLING AND STORAGE:** Keep out of reach of children. All product containers must be labeled. Close container after each use.  
           Eye wash fountain recommended in work area.

**SECTION VIII (Control measures)**

- RESPIRATORY PROTECTION:** Respiratory protection required if TLV of product or any component thereof is exceeded.
- VENTILATION:** Local Exhaust: X    Mechanical:      **PROTECTIVE GLOVES:** X      **EYE PROTECTION:** X
- OTHER PROTECTIVE MEASURES:** Impervious clothing as necessary to minimize contact with product.
- WORK / HYGIENIC PRACTICES:** Never touch face with hands or gloves that may be contaminated with product.  
           Always wash hands thoroughly before eating, drinking, smoking, or using toilet facilities.
- DISCLAIMER:** The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or method of application which is not described in the Product Data Sheet is the responsibility of the user.