



Specific Gravity (H2O=1): >1  
Vapor Pressure (MM HG): 18  
Color: COLORLESS  
Vapor Density (Air=1): 0.6  
Odor: NONE  
PH @ 100%: >13  
Clarity: TRANSPARENT  
Volatile by Volume: 78  
Evaporation Rate (BU A/C=1): <1  
H2O Solubility: COMPLETE  
Viscosity: NON-VISCOUS

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SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point: NON-FLAM / N/A  
Flammable Limits: N/A LEL: N/A UEL:N/A

Extinguishing Media:  
Foam: X Alcohol Foam: X CO2: X  
Dry Chemical: X Water Spray: X Other:

Special Fire Fighting Procedures:  
FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF THE SURROUNDING FIRE.

Unusual Fire and Explosion Hazards:  
DO NOT SPRAY A DIRECT STREAM OF WATER INTO PRODUCT AS FROTHING AND SPATTERING MAY OCCUR. REACTS WITH REACTIVE METALS SUCH AS SODIUM TO FORM FLAMMABLE HYDROGEN GAS.

Aerosol Level (NFPA 30B): N/A  
NFPA 704 Hazard Rating:  
(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)  
Health: 3 Flammability: 0 Instability: 1 Special:

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SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:  
NOT ESTABLISHED FOR MIXTURE.

Effects of Overexposure:  
-Acute (Short Term Exposure)  
EYE CONTACT: CORROSIVE. CAUSES BURNS, CORNEAL DAMAGE AND POSSIBLE BLINDNESS.  
SKIN CONTACT: CORROSIVE. CAUSES BURNS AND POSSIBLE DEEP ULCERATIONS OR SCARRING.  
INHALATION: MIST VAPOROR CAUSES BURNS TO THE RESPIRATORY TRACT, NOSE, MOUTH AND THROAT, WITH DISCOMFORT, NASAL DISCHARGE, SNEEZING, COUGHING AND CHEST PAIN.  
INGESTION: CORROSIVE. CAUSES BURNS TO THE MOUTH AND THROAT; NAUSEA AND PAIN.

-Chronic (Long Term Exposure)  
NO HUMAN CHRONIC DATA AVAILABLE MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS. TARGET ORGANS: NONE KNOWN. THERE IS NO PRIMARY ROUTE OF ENTRY INTO THE BODY. THE PRIMARY ROUTE OF EXPOSURE IS SKIN AND EYE CONTACT.

Primary Routes of Entry: Inhalation: Ingestion: Absorption:

Emergency and First Aid Procedures:

-Inhalation:

REMOVE FROM THE AREA TO FRESH AIR. IF NOT BREATHING, CLEAR THE AIRWAY AND START MOUTH TO MOUTH ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.

-Eye Contact:

IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.

-Skin Contact:

WASH AFFECTED AREAS WITH LARGE AMOUNTS OF SOAP AND WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. GET IMMEDIATE MEDICAL ATTENTION. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

-Ingestion:

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

-Notes to Physician:

THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY. MATERIAL IS CAUSTIC.

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SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC: No                      NTP: No                      OSHA: No                      ACGIH: No  
OTHER: No

SODIUM HYDROXIDE

SKN-RBT: 500 MG/24H SEV 3.  
EYE-RBT: 1 MG/24H SEV 3.  
EYE-RBT: 50UG/24H SEV 4.  
ORL-RBT-LDLO: 500 MG/KG 4.

POTASSIUM HYDROXIDE

SKN-RBT: 50 MG/24H MOD 3.  
EYE-RBT: 1 MG/24H MOD 3.  
ORL-RAT-LD50: 273 MG/KG 3.  
ORL-RAT-LD50: 365 MG/KG 4.

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SECTION VII - REACTIVITY DATA

Stability:                      Stable: X                      Unstable:

Conditions to Avoid: CONTACT WITH WATER OR ACIDS CAN CAUSE SPATTERING AND RELEASE OF LARGE AMOUNTS OF HEAT.

Incompatibility (Materials to Avoid):

ACIDS, ALUMINUM, COPPER, ZINC, TIN, HALOGENATED ORGANIC COMPOUNDS, AND ORGANIC NITROGEN COMPOUNDS.



