

## **AQUA AMMONIA**

### **MSDS Number**

BHCKP

### **National Stock Number**

6810-01-103-8371

### **Product Name**

AQUA AMMONIA

### **Manufacturer**

DATAGRAPHIX MULTIPRODUX DIV OF ANACOMP

### **Product Identification**

Product ID:AQUA AMMONIA

MSDS Date:01/01/1987

FSC:6810

NIIN:01-103-8371

MSDS Number: BHCKP

### **Responsible Party**

DATAGRAPHIX/MULTIPRODUX, DIV. OF ANACOMP

303 W. BROADWAY ST.

LOUISVILLE , KY 40402

Emergency Phone: 502-585-3456 (312-674-8244)

Info Phone: 502-585-3456

Cage: 0BEC1

### **Contractor**

KOBOY AMMONIA PRODUCTS INC

SMOKIE, IL 60076-4040

US

708-674-8244

Cage: 8H837

### **Ingredients**

AMMONIUM HYDROXIDE (SARA III)

CAS: 1336-21-6

RTECS: BQ9625000

Fraction By Weight: 29.4%

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

### **Hazards**

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 350 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:AMMONIA GAS, WHICH IS READILY GIVEN OFF AQUEOUS SOLUTIONS OF AMMONIA, IS SEVERLY IRRITATING TO THE EYES. EYE CONTACT MAY CAUSE SIGNIFICANT INJURY AND ACTUAL LOSS OF SIGHT. SKIN CONTACT MAY CAUSE SEVER E IRRITATION AND BURNS.

Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:SEE HEALTH HAZARDS!

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF SKIN AND

RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

## First Aid

First Aid:EYE: WASH THOROUGHLY AND IMMEDIATELY WITH WATER OR 5% BORIC ACID SOLUTION FOR 15. MIN. SPEED IS ESSENTIAL. SKIN: WASH IMMEDIATELY W/ WATER. DO NOT APPLY OINTMENTS OR COVER BURNS WITH DRESSING. INHALE: GET TO FRESH AIR. IF UNCONSCIOUS, APPLYARTIFICIAL RESPIRATION. INGEST: DRINK LARGE QUANTITIES OF NEUTRALIZING AGENTS SUCH AS DILUTE VINEGAR, LEMON JUICE, OJ. GET MEDICAL ATTENTION IN ALL CASES.

## Fire Fighting

Autoignition Temp:Autoignition Temp Text:1204F  
Lower Limits:16%(AMMONIA)  
Upper Limits:25%(AMMONIA)  
Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.  
Unusual Fire/Explosion Hazard:CONTAINERS MAY BURST WHEN EXPOSED TO HEAT OF FIRE.

## Accidental Release

Spill Release Procedures:CONTAIN SPILL TO MINIMIZE AMMONIA VAPORIZATION. NOTIFY PERSONNED THAT MAY BE EXPOSED TO AMMONIA VAPORS RESULTING FORM THE SPILL.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT AND IGNITION SOURCES. KEEP CONTAINERS CLOSED.  
Other Precautions:SINCE AMMONIUM HYDROXIDE IS A FERTILIZER, IT MAY PROMOTE EUTROPHICATION IN WATERWAYS. A LARGE SPILL INTO THE ENVIRONMENT COULD CAUSE SIGNIFICANT DAMAGE TO MAMMALIAN AND AQUATIC SPECIES.

## Exposure Controls

Respiratory Protection:IN AREAS OF HIGH AMMONIA CONCENTRATION, SELF-CONTAINED BREATHING APPARATUS MUST BE USED. THIS EQUIPMENT SHOULD BE USED WHEN CONCENTRATION IS UNKNOWN OR EXPOSURE IS FOR EXTENDED PERIOD.  
Ventilation:VENTILATION NECESSARY TO MEET THE OSHA TLV MUST BE PROVIDED.  
Protective Gloves:RUBBER OR PLASTIC GAUNTLET TYPE  
Eye Protection:TIGHT FITTING VENTED GOGGLES OR SHIELD  
Other Protective Equipment:SAFETY SHOWER AND EYE BATH. PROTECTIVE SUIT AND BOOTS. GARMENTS WORN BENEATH OUTER CLOTHING SHOULD BE MADE OF COTTON.  
Work Hygienic Practices:WASH THROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.  
Supplemental Safety and Health  
TAKE ALL PRACTICAL MEASURES NECESSARY TO AVOID CONTACT WITH AQUA AMMONIA. PERSONS SUBJECT TO AMMONIA EXPOSURE MUST NOT WEAR CONTACT LENSES.

## Chemical Properties

HCC:B1  
Boiling Pt: =26.7C, 80.F  
Vapor Pres:590  
Vapor Density:.59  
Spec Gravity:.88  
Solubility in Water:100  
Appearance and Odor:COLORLESS, PUNGENT LIQUID  
Percent Volatiles by Volume:24.9

## Stability

Stability Indicator/Materials to Avoid: YES

SILVER, MERCURY, COPPER, ZINC CHLORIDE AND HYPOCHLORITES.

Stability Condition to Avoid: HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products: HIGH TEMPERATURE DECOMPOSITION  
PRODUCTS MAY INCLUDE OXIDES OF NITROGEN.

## Disposal

Waste Disposal Methods: PREFERRED DISPOSAL IS REUSE IN A PROCESS.

ALTERNATIVELY, DISPOSAL IN AN ENVIRONMENTALLY SECURE LANDFILL WITH  
PROPER ENVIRONMENTAL PERMITS IS RECOMMENDED.

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