

MG INDUSTRIES -- AMMONIA, ANHYDROUS -- 6830-00-292-0135

===== Product Identification =====

Product ID:AMMONIA, ANHYDROUS

MSDS Date:12/07/1994

FSC:6830

NIIN:00-292-0135

MSDS Number: BWZPV

=== Responsible Party ===

Company Name:MG INDUSTRIES

Address:2460 BOULEVARD OF THE GENERALS

Box:945

City:VALLEY FORGE

State:PA

ZIP:19482

Country:US

Info Phone Num:215-630-5422

Emergency Phone Num:215-630-5422

CAG

E:08772

=== Contractor Identification ===

Company Name:MG INDUSTRIES

Address:3 GREAT VALLEY PKY

Box:City:MALVERN

State:PA

ZIP:19355-1424

Country:US

Phone:610-695-7400 / 610-695-7449

CAGE:08772

===== Composition/Information on Ingredients =====

Ingred Name:AMMONIA (SARA 302/313) (CERCLA)

CAS:7664-41-7

RTECS #:BO0875000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:50 PPM

ACGIH TLV:25 PPM/35 STEL; 9495

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

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==== Hazards Identification =====

LD50 LC50 Mixture:INHALE-RAT LC50 IS 2000 PPM/4 HRS

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

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

Health Hazards Acute and Chronic:ACUTE:INHALATION MAY CAUSE SEVERE IRRITATION OR DAMAGE TO RESPIRATORY SYSTEM.CONTACT WITH VAPOR MAY CAUSE SEVERE SKIN & EYE IRRITATION OR BURNS;LIQUID CONTACT MAY CAUSE FROSTBITE.INGESTION MAY CAUSE SEVERE INJURY TO MOUTH,THROAT OR GI T

RACT.CHRONIC:PROLONGED EXPOSURE MAY INJURE KIDNEY,LIVER,SPLEEN,RESPIRATORY TRACT.

Explanation of Carcinogenicity:AMMONIA IS NOT LISTED AS A CARCINOGEN BY NTP OR IARC NOR IS IT REGULATED BY OSHA AS A CARCINOGEN.

Effects of Overexposure:INHALED-NOSE/THROAT/CHEST IRRITATION,LARYNGEAL SPASM,CONVULSIVE COUGHING,CHEST PAIN,PINK FROTHY SPUTUM,RUNNY NOSE,RESTLESSNESS,HEADACHE,NAUSEA,VOMITING. EYES-SEVERE IRRITATION,TEARING,PAIN,REDNESS,BLURRED VISION. SKIN-BURNS,STINGING SENSATI

ON,REDNESS,PAIN. INGESTED-DIFFICULTY SWALLOWING & SPEECH,NAUSEA,STOMACH PAIN....

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====

First Aid:IN ALL CASES GET IMMEDIATE MEDICAL ATTENTION. INHALED-REMOVE TO FRESH AIR IMMEDIATELY. PREFORM ARTIFICIAL RESPIRATION IF NEEDED. INGESTED-IF CONSCIOUS, GIVE LOTS OF WATER OR MILK. ALLOW VOMITING TO OC CUR. SKIN-REMOVE CONTAMINATED CLOTHES/SHOES. WASH WITH SOAP AND WATER. EYES-FLUSH WITH LOTS OF WATER FOR 15 MINUTES. NO SPECIFIC ANTIDOTE-TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

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===== Fire Fighting Measures =====

Autoignition Temp:Autoignition Temp Text:1204F

Lower Limits:15

Upper Limits:28

Extinguishing Media:CARBON DIOXIDE OR DRY CHEMICAL. FOR LARGER FIRES USE WATER SPRAY OR FOAM.

Fire Fighting Procedures:MOVE CONTAINER IF CAN BE DONE AT NO RISK. WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL

PROTECTIVE GEAR. COOL

FIRE EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard:SLIGHT FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME. MODERATE EXPLOSION HAZARD WHEN EXPOSED TO HEAT OR FLAME.

===== Accidental Release Measures =====

Spill Release Procedures:ISOLATE & DENY ENTRY. WEAR PROPER PERSONAL PROTECTIVE CLOTHING. STOP LEAK IF FEASIBLE. USE WATER SPRAY TO REDUCE VAPOR-DO NOT APPLY DIRECTLY TO SPILLED MATERIAL! VENTILATE AREA. SMALL-FLOOD

W/WATER. L ARGE-DIKE/CONTAIN. ISOLATE AT LEAST 150FEET.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:PROTECT AGAINST PHYSICAL DAMAGE. OUTSIDE OR DETACHED STORAGE IS PREFERRED. INSIDE STORAGE SHOULD BE COOL, WELL-VENTILATED.

Other Precautions:STORE AWAY FROM INCOMPATIBLE MATERIALS AND SOURCES OF IGNITION. MATERIAL IS EXTREMELY POISONOUS; AVOID INHALATION OF VAPORS OR C

ONTACT WITH SKIN. CONTENTS MAY BE UNDER PRESSURE; CONTENTS MAY RUPTURE V IOLENTLY AND TRAVEL A LONG WAYS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.134 AND MANUFACTURER'S RECOMMENDATIONS.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER, PVC, NEOPRENE.

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER. WEAR APPROPRIATE IMPERVIOUS CLOTHING TO PREVENT ANY SKIN CONTACT WITH PRODUCT.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health
PH IN 1.0N SOLUTION=11.6.

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===== Physical/Chemical Properties =====

HCC:G6

Boiling Pt:B.P. Text:-27F,-33C

Melt/Freeze Pt:M.P/F.P Text:-108F,-78C

Vapor Pres:6658 MM HG

Vapor Density:0.5967

Spec Gravity:0.7 G/L

Solubility in Water:APPRECIABLE

Appearance and Odor:COLORLESS GAS WITH AN EXTREMELY PUNGENT ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ACIDS,ALDEHYDES,HALOGENS,HEAVY METALS & CMDS,INTERHALOGENS,STRONG
OXIDIZERS,

PLASTIC/RUBBER/COATINGS,VINYL CMDS,SULFUR...

Stability Condition to Avoid:KEEP AWAY FROM SOURCES OF IGNITION AND
INCOMPATIBLE MATERIALS.

Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY RELEASE
CORROSIVE FUMES OF AMMONIA AND TOXIC OXIDES OF NITROGEN.

Conditions to Avoid Polymerization:HAZARDOUS POLYMERIZATION HAS NOT
BEEN REPORTED TO OCCUR UNDER NORMAL TEMPERATURES AND PRESSURES.

===== Disposal Considerations =====

Waste Disposal Methods:DI

SPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND

FEDERAL ENVIRONMENTAL REGULATIONS. ENVIRONMENTAL DATA: SARA 302

TPQ-500 LBS; SARA 304 RQ-100 LBS; CERCLA 103 RQ-100 LBS; OSHA

PROCESS SAFETY MANAGEMENT T Q-10,000; SARA 313-YES.

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