

DIAL CORP THE MILITARY ORDER DEPT -- HOUSEHOLD AMMONIA -- 6810-00-527-2476

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

Product ID:HOUSEHOLD AMMONIA

MSDS Date:07/17/1987

FSC:6810

NIIN:00-527-2476

MSDS Number: BVWYH

=== Responsible Party ===

Company Name:DIAL CORP THE MILITARY ORDER DEPT

Address:111 W CLARENDON GREYHOUND TOWER STA 3223

City:PHOENIX

State:AZ

ZIP:85077

Country:US

Info Phone Num:602-991-3000

Emergency Phone Num:602-253-3334

Preparer's Name:MSDS # A-101/R2

C

AGE:0EK53

=== Contractor Identification ===

Company Name:DIAL CORP THE MILITARY ORDER DEPT

Address:111 W CLARENDON GREYHOUND TOWER STA 3223

Box:City:PHOENIX

State:AZ

ZIP:85077

Country:US

Phone:602-207-4000

CAGE:0EK53

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

Ingred Name:AMMONIA (SARA III)

CAS:7664-41-7

RTECS #:BO0875000

Fraction by Wt: 9-10%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:50 PPM

ACGIH TLV:25 PPM/35 STEL; 9394

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

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===== Hazards Identification =====

LD50 LC50 Mixture:TLV FOR AMMONIA GAS IS 25PPM

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

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

Health Hazards Acute and Chronic:CORROSIVE! EYES:MAY CAUSE

IRRITATION.SKIN:MAY CAUSE IRRITATION.INGEST:TOXIC! MAY CAUSE GI

TRACT IRRITATION.INHAL:MAY CAUSE RESPIRATORY IRRITATION,CNS

DEPRESSION,POSSIBLY RESULTING IN SHOCK OR CONVULSIONS.

Explanation of Carcinogenic

ity:THERE ARE NO INGREDIENTS ABOVE 0.1%

WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:EYES: SEVERE IRRITATION,CATARACTS. SKIN: SEVERE

IRRITATION. POSSIBLE CHEMICAL BURNS AND POSSIBLE TISSUE DAMAGE.

INHALATION: SEVERE IRRITATION OF NOSE AND THROAT, SEVERE

COUGHING,SNEEZING AND BRONCHIAL SPASMS. MAY BE FATAL. INGESTION:

EXCESSSALIVATION,NAUSEA,VOMITING,

Medical Cond Aggravated by Exposure:PERSONS HAVING CHRONIC RESPIRATORY DISEASE OR PERSONS WHO HAVE SHOWN EVIDENCE OF UNDUE SENSITIVITY TO

AMMONIA SHOULD NOT BE EMPLOYED WHERE THEY WILL BE EXPOSED TO

AMMONIA.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15

MINUTES. SEE DOCTOR. SKIN: REMOVE CONTAMINATED CLOTHING AND SHOES.

FLUSH WITH LARGE AMOUNTS OF WATER. SEEK IMMEDIATE MEDICAL

ATTENTION. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE

CPR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEE DOCTOR. INGESTION:

TOXIC. SEE DOCTOR IMMEDIATELY.IF CONSCIOUS,GIVE MILK OR WATER TO

DILUTE STOMACH.

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

Flash Point:NONE

Lower Limits:16

Upper Limits:27

Extinguishing Media:USE WATER SPRAY, CARBON DIOXIDE, OR DRY CHEMICAL.

Fire Fighting Procedures:EVACUATE PERSONNEL. WEAR FIRE FIGHTING

PROTECTIVE EQUIPMENT AND A FULL FACED SCBA. COOL FIRE EXPOSED

CONTAINERS WITH WATER SPRAY FROM A FAR DISTANCE.

ANCE.

Unusual Fire/Explosion Hazard:AMMONIA GAS IS FLAMMABLE! COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. AVOID EXPOSURE TO LIQUID PRODUCT INVOLVED IN FIRE.

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

Spill Release Procedures:EVACUATE AREA OF SPILL. CONTAIN LIQUID SPILL AND ALLOW TO EVAPORATE. SOAK UP NEUTRALIZED MATERIAL WITH AN INERT NON-COMBUSTIBLE ABSORBANT(EG.CLAY);PLACE IN PROPER CONTAINER FOR DISPOSAL.PR

EVENT DISCHARGE OF SPILLED LIQUID INTO SEWERS OR STREAMS.

Neutralizing Agent:5% ACETIC ACID. (NONE IF ALLOWED TO EVAPORATE).

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

Handling and Storage Precautions:STORE IN COOL, WELL VENTILATED AREA, AWAY FROM ALL SOURCES OF IGNITION AND OUT OF DIRECT SUNLIGHT. KEEP CONTAINERS TIGHTLY CLOSED.

Other Precautions:USE WITH PROPER VENTILATION.ZINC, COPPER, AND COPPER BASED ALLOYS SUCH AS BRASS ARE RAPIDLY CORRODED BY MOST AMMONIA.

AVOID USE OF THESE METALS IN AMMONIA SERVICE.

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

Respiratory Protection:NIOSH AND US BUREAU OF MINES APPROVED RESPIRATORS FOR AMMONIA. NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS MUST BE USED WHEN EXPOSURE LIMITS ARE EXCEEDED.

Ventilation:LOCAL EXHAUST PREFERABLE. INSURE WORK AREA DOES NOT EXCEED 25 PPM

Protective Gloves:RUBBER OR NEOPRENE.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective

Equipment:RUBBER BOOTS AND APRON. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE SMOKING OR EATING.LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

AVOID CONTAMINATION WITH BLEACH,AUTOMATIC TOILET CLEANERS,WALL AND TILE CLEANERS.PLASTIC BOTTLE WILL BULGE FROM AMMONIA VAPOR.

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

HCC:Z5

Boiling Pt:B.P. Text:191-212F

Melt/Freeze Pt:=-75.C

, -103.F
Vapor Pres:475
Spec Gravity:0.989
pH:11.8
Evaporation Rate & Reference:>1 (N-BUTYL ACETATE=1)
Solubility in Water:COMPLETE
Appearance and Odor:LIQUID;CLEAR,CLOUDY WHITE OR COLORED;DISTINCT ODOR.
Percent Volatiles by Volume:98.1

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

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS. AMMONIA REACTS WITH CHLORINE, BROMINE,
IODINE,HYPOCHLORITES(BLEACH).
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION
Hazardous Decomposition Products:HIGH TEMPERATURE DECOMPOSITION
PRODUCTS MAY INCLUDE OXIDES OF NITROGEN AND AMMONIA GAS.

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

Waste Disposal Methods:NOTIFY YOUR LOCAL ENVIRONMENTAL OFFICER. COMPLY
WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL
REGULATIONS.AMMONIA IS REGULATED BY SARA.

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