

THE ANDERSONS D/B/A ERNY'S -- AQUA AMMONIA -- 6810-00-222-9643

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

Product ID:AQUA AMMONIA

MSDS Date:12/01/1990

FSC:6810

NIIN:00-222-9643

MSDS Number: BQKND

=== Responsible Party ===

Company Name:THE ANDERSONS D/B/A ERNY'S

Box:462

City:WALTON

State:IN

ZIP:46994

Country:US

Info Phone Num:219-626-2608/2508

Emergency Phone Num:419-537-7408

CAGE:0CMB8

=== Contractor Ide

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Box:462

City:WALTON

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Phone:419-537-7408

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

Ingred Name:AMMONIA (SARA III)

CAS:7664-41-7

RTECS #:BO0875000

Fraction by Wt: 27.5-30%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:50 PPM

ACGIH TLV:25 PPM/35 STEL; 9293

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 70-72.5%

Other R

EC Limits:NONE RECOMMENDED

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

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 OF VAPOR MAY CAUSE UPPER RESPIRATORY IRRITATION. CONTACT WITH SKIN AND EYES MAY CAUSE BURNS; MAY CAUSE BLINDNESS. INGESTION MAY CAUSE SEVERE GI TRACT IRRITATION, BURNS TO MOUTH, THRO AT AND ESOPHAGUS. CHRONIC: NONE KNOWN.

Expl
anation of Carcinogenicity:NONE

Effects of Overexposure:INHALED: CHEST PAIN, SORE THRAOT, COUGHING, WHEEZING, SHORTNESS OF BREATH, TIGHTNESS IN CHEST. EYES: BURNS, PAIN, TEARING, BLURRED VISION.

Medical Cond Aggravated by Exposure:PERSONS WITH LUNG DISORDERS OR DISEASES OF THE SKIN MAY BE AT AN ADDED RISK AS A RESULT OF OVEREXPOSURE TO THIS MATERIAL.

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

First Aid:INHALED: MOVE TO FRESH AIR. IF BREATHING STOPPED, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION. EYES: FLUSH WITH LOTS OF WATER, HOLD LIDS OPEN. SEE DOCTOR. SKIN: REMOVE CONTAMINATED CLOTHES. FLU SH WITH LOTS OF WATER UNTIL RESIDUE GONE. SEE DOCTOR. INGESTED: IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER. DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION.

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

Flash Point:NON COMBUSTIBLE
Autoignition Temp:Autoignition Temp Text:1204F
Lower Limits:18
Upper Lim
its:27
Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard:IF WATER IS EVAPORATED, THE REMAINING AMMONIA WILL BURN BOTH SPONTAEOUSLY AND CONTINUOUSLY AT 1200F OR ABOVE. FUMES EMITTED CAUSE SEVERE BURNS AND LUNG DAMAGE.

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

Spill Release Procedures:DILUTE WITH WATER. NEUTRALIZE SLOWLY WITH

DILUTE ACETIC ACID. ELIMINATE SOURCES OF IGNITION (GASES EMITTED/LEL-UEL). ISOLATE AND DENY ENTRY. CONTAIN SPILL. FLUSH CONTAMINATED AREA WITH WATER; DO NOT ALLOW RUN-OFF TO GO INTO SEWERS/WATERWAYS.

Neutralizing Agent:5% SOLUTION ACETIC ACID

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED PLACE WITH AMMONIA MONITORING SYSTEM. STORE AWYA FROM INCOMPATIBLE MATERIALS.

Other Precaution

s:NONE SPECIFIED BY MANUFACTURER.

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

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

Ventilation:USE ADEQUATE MECHANICAL VENTILATION TO MAINTAIN EXPOSURE BELOW REGULATORY LIMITS.

Protective Gloves:PVC

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:APRONS, BOOTS IF CONTACT LIKELY. EYE WASH STATION & SAFETY SHOWER READILY AVAILABLE.

Work Hygienic Practices:WASH AHNDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

HCC:B1

Vapor Pres:753 MM HG

Vapor Density:0.6(AIR=1)

Spec Gravity:0.892 (WATER=1)

pH:>12.5

Evaporation Rate & Reference:>1 (ETHYL ETHER=1)

Solubility in Water:APPRECIABLE

Appearance and Odor:COLORLESS LIQUID, STRONG AMMONIA ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ACROLEIN, ACRYLIC ACID, CHLOROSULFONIC ACID, DIMETHYL SULFATE, HALOGENS, HYDROGEN CHLORIDE AND FLUORIDE, NITRIC ACID

Stability Condition to Avoid:CONTACT WITH INCOMPATIBLE MATERIALS. TEMPERATURES ABOVE 1200F.

Hazardous Decomposition Products:OXIDES OF NITRO

GEN AND AMMONIA

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

Waste Disposal Methods:SOAK UP WITH SAND OR DIRT AND SHOVEL INTO CONTAINER. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. EPA HAZARDOUS WASTE #: D002.

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