

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

Product ID:AMMONIUM HYDROXIDE TECHNICAL 10%

MSDS Date:11/21/1990

FSC:6810

NIIN:00-527-2476

MSDS Number: BKSRS

=== Responsible Party ===

Company Name:AUSTIN JAMES CO

Address:BUTLER COUNTY

Box:I

City:MARS

State:PA

ZIP:16046

Country:US

Info Phone Num:412-625-1535

Emergency Phone Num:412-625-1535

CAGE:6Z316

=== Contractor Identification ===

Company Name:AUSTI

N JAMES CO

Address:115 DOWNIEVILLE ROAD

Box:City:MARS

State:PA

ZIP:16046-0827

Country:US

Phone:724-625-1535

CAGE:6Z316

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

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 90.0%

Other REC Limits:NONE SPECIFIED

OSHA PEL:NONE

ACGIH TLV:NONE

Ingred Name:AMMONIUM HYDROXIDE (SARA III)

CAS:1336-21-6

RTECS #:BQ9625000

Fraction by Wt: 10.0%

Other REC Limits:NONE SPECIFIED

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Effects of Overexposure:RASPY CONTINUOUS COUGHING, RUNNY NOSE, EYE,
SKIN &/OR THROAT IRRITATIONS.
Medical Cond Aggravated by Exposure:SKIN CUTS, BURNS OR ABRASIONS.
IRRITATES EYES. RESPIRATORY AILMENTS.

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

First Aid:EYES:FLUSH WITH LARGE QUANTITIES OF
F WATER FOR 15 MINUTES. CALL
PHYSICIAN. SKIN:REMOVE CLOTHING/WASH AREA WITH WATER. INGESTION:DO
NOT GIVE LIQUID IF VICTIM IS UNCONSCIOUS OR DROWSY. OTHERWISE,
DRINK PROMPTLY LARGE QUANTITIES OF WATER. FOLLOW WITH FRUIT JUICE
& VEGETABLE OIL. AVOID ALCOHOL. CALL PHYSICIAN IMMEDIATELY. CALL
POISON CONTROL CENTER FOR INFORMATION IF DOCTOR UNAVAILABLE.

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

Flash Point Method:CC
Flash Point:>200 F/>93 C
Lower Limits:
ts:16% AMMONIA
Upper Limits:25% AMMONIA
Extinguishing Media:WATER, DRY CHEMICAL, ALCOHOL FOAM, CO2.
Fire Fighting Procedures:AVOID FUMES FROM SPILLED OR EXPOSED LIQUID. BE
PREPARED TO USE MSHA/NIOSH SELF-CONTAINED BREATHING APPARATUS &
PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:RAPID ADD TO CONCENTRATED MINERAL ACIDS
COULD CREATE EXPLOSIVE CONDITIONS. AMMONIA GAS IS FLAMMABLE IN AIR
16-25% AMMONIA BY VOL. COULD OCCUR IF HEATED & NOT VENTED

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

Spill Release Procedures:CONTAIN RUN-OF W/ABSORB(SAND,CLAY)& DIKE.
TRANSFER LIQ & ABSORB IN APPROVED CONTAINER.FLUSH & MOP AREA
W/WATER ALLOW TO AIR DRY.KEEP SPILL OUT OF SEWERS & OPEN BODIES OF
WATER.DILUTE SOLUTION CAN BE USED AS FERTILIZER.DO NOT ADD TO ANY
IRRIGATION SYSTEM

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

Handling and Storage Precautions:AVOID HEAT & DIRECT SUNLIGHT. FOLLOW
DIRECTIONS ON LABEL. TIGHTEN

CAP SECURELY. STORE CONTAINER UPRIGHT.

KEEP AWAY FROM CHILDREN.

Other Precautions:DO NOT STORE NEAR FOOD STUFFS, WATER OR FEED. AVOID
CREASING OR IMPACTING OF SIDE CONTAINER WALLS. SEPARATE FROM ACIDS,
BLEACHES, SOAP BASED PRODUCTS OR ORGANIC MATERIALS.

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

Respiratory Protection:NOT REQUIRED UNDER NORMAL USE CONDITIONS FOR
CLEANING OR LAUNDRY PREPARATIONS.

Ventilation:NONE

Protective Gloves:WEAR RUBBER GLOVES WHEN
HANDLING

Eye Protection:GOGGLES OR FACE SHIELD WHEN POURING

Other Protective Equipment:NONE

Supplemental Safety and Health

CONSIDERED A POISON BY CONSUMER PRODUCTS SAFETY COMMISSION BECAUSE OF
STRENGTH.

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

HCC:B1

Boiling Pt:B.P. Text:212F,100C

Melt/Freeze Pt:M.P/F.P Text:32.0F,0.0C

Vapor Pres:VP OF H₂O

Spec Gravity:0.962 (WATER=1)

pH:11.5

Solubility in Water:100%

Appearance and Odor:CLEAR LIQUID WITH TYPICAL AMMONIA AROMA

Per

cent Volatiles by Volume:NONE

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

Stability Indicator/Materials to Avoid:YES

STRONG MINERAL ACIDS. CORRODES COPPER, ZINC & THEIR ALLOYS. AVOID
BLEACH & IODINE.

Stability Condition to Avoid:HEAT OR DIRECT SUNLIGHT

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:TRIPLE RINSE.OFFER FOR RECYCLING,RECONDITION,
PUNCTURE & DISPOSE OF IN SANITARY LA

NDFILL,INCINERATION OR IF

ALLOWED BY STATE & LOCAL AUTHORITY BY BURNING.IF BURNED STAY OUT OF SMOKE.DO NOT REUSE EMPTY CONTAINER(BOTTLE,CAN,BUCKET).WRAP & PUT IN TRASH.

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