

THREAD-RITE TOOL MFG INC -- AMMONIUM HYDROXIDE 9% -- 6810-00-527-2476

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

Product ID:AMMONIUM HYDROXIDE 9%

MSDS Date:02/01/1987

FSC:6810

NIIN:00-527-2476

MSDS Number: BNCDV

=== Responsible Party ===

Company Name:THREAD-RITE TOOL MFG INC

Address:2069 N WEBSTER ST

City:DAYTON

State:OH

ZIP:45404-1143

Country:US

Info Phone Num:513-222-2836

Emergency Phone Num:513-222-2836

CAGE:05462

=== Contractor Identification ===

Company Name:THOR

O PRODUCTS CO INDUSTRIAL CHEMICAL DIVISION

Address:6611 W 58TH PLACE

Box:504

City:ARVADA

State:CO

ZIP:80002-2633

Country:US

CAGE:9H634

Company Name:THREAD-RITE TOOL MFG INC

Address:2069 N WEBSTER ST

City:DAYTON

State:OH

ZIP:45404-1143

Country:US

Phone:513-222-2836

CAGE:05462

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

Ingred Name:AMMONIUM HYDROXIDE

CAS:7664-41-7

RTECS #:BO0875000

Fraction by Wt: 9%

Other REC Limits:NONE SPECIFIED

OSHA PEL:50 PPM

ACGIH TLV:25 PPM/35 STE

L; 9293
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:WATER (H2O)
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: BALANCE
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:CORROSIVE TO THE EYES.CORROSIVE TO THE
SKIN. MAY BE IRRITANT TO THE UPPER RESPIRATORY TRACT,MAY CAUSE
BURNS TO MOUTH, THROAT & STOMACH IF INGESTED.

Effects of Overexposur
e:EYES-CORROSIVE,CAUSES WATERING,IRRITATION.
POSSIBLE CORNEAL INJURY/BLINDNESS IN SEVERE CASES.SKIN-CORROSIVE,
IRRITATION,ITCHING,BURNS IN SEVERE CASES.INHALE-BREATH MAY BECOME
LABORED, REMOVE FROM EXPO SURE.INGEST-CAUSES BURN,NAUSEA.

Medical Cond Aggravated by Exposure:CHRONIC HEART AND RESPIRATORY
DISEASES.

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

First Aid:EYES-HOLD EYELIDS APART,IRRIGATE W/RUNNING WATER FOR 15
MINS.CONTINUE TO IRRIGATE.TREAT
FOR SHOCK IF NEC.GET MED ATTN.
SKIN-FLOOD W/RUNNING WATER FOR 15 MINS AFTER IMMED REMOVING
CONTAMINATED CLOTHING .TREAT FOR SHOCK,GET MED ATTN.INHALE-REMOVE
FROM EXPOSURE.IF BREATH LABORED,GIVE OXYGEN.GET MED ATTN.IF BREATH
STOPS GIVE ART RESP,FOLLOWED BY OXYGEN.INGEST-IMMED RINSE
MOUTH/LIPS,SWALLOW LRGE AMNTS

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

Extinguishing Media:WATER
Fire Fighting Procedures:COOL EXPOSED CONTAINERS OR TANKS WITH WATER

FOG,SOURCE.USE SCBA,PROTECTIVE GARMENTS & EYE SHIELD, FOR ENTRY INTO CONFINED AREAS,OR AREAS CONTAIN CONCT'D VAPORS.

Unusual Fire/Explosion Hazard:NITROGEN OXIDES FORM WHEN BURNED.

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

Spill Release Procedures:STOP DISCHARGE AND CONTAIN SPILL.AVOID EXCESSIVE CONTACT WITH LIQUID VAPOR.KEEP OUT OF WATER SOURCES AND SEWERS. WEAR FULL PROTECTIVE CLOTHING.REFER TO SECTION VIII AND CONTACT APPROPRIATE SAFETY PERS ONNEL FOR RESP REQRMTS.STAY UPWIND.

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

Handling and Storage Precautions:STORE IN COOL WELL VENTILATED AREA.PROVIDE MEANS OF CONTROLLING LEAKS OR SPILLS.AVOID EXCESSIVE SKIN/EYE CONTACT.AVOID INHALING VAPORS OR FUMES.

Other Precautions:ITEMS CONTAIN CHLORINE SUCH AS BLEACH,HYPOCHLORITES, OXYGEN,STRONG OXIDIZING AGENTS.OF WATER.DONT INDUCE VOMIT/ATTEMPT CHEMICAL NEUTRALIZATION.IF VOMIT BLOODY,DONT ATTEMPT GIVE ANYTHING

BY MOUTH.TREAT FOR SHOCK,GET MED ATTN.

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

Respiratory Protection:NIOSH APPROVED EQUIPMENT PER REQUIREMENTS OF 29 CFR 1910.134 (OSHA) AND ANSI 288.2.

Ventilation:LOCAL EXHAUST-RECOMMENDED. MECHANICAL-RECOMMENDED.

Protective Gloves:NEOPRENE OR NITRILE.

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:RUBBER APRONS,BOOTS,HEAD COVERING.

Work Hygienic Practices:AVOID SPILLS,LEAKS AND OVER EXPOSURE,REMOVE PEOPLE F

ROM OVER EXPOSURE.

Supplemental Safety and Health

NK

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

HCC:B1

Boiling Pt:B.P. Text:99.3F,37.4C

Vapor Pres:14PSIA@80F

Vapor Density:0.6(AIR=1)

Spec Gravity:0.92 @60 F

Evaporation Rate & Reference:>1(BUTYL ACETATE =1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR,COLORLESS LIQUID,VERY STRONG CHARACTERISTIC ODOR

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

Stability Indicator/Materials to

Avoid: YES
CORROSIVE TO COPPER, COPPER ALLOYS, ALUMINUM ALLOYS,
MERCURY, SILVER, ZINC, GALVANIZED SURFACES. AVOID MIXING WITH ACIDS OR
Stability Condition to Avoid: EXCESSIVE HEAT. DO NOT FREEZE/THAW.
Hazardous Decomposition Products: ITEMS CONTAIN CHLORINE SUCH AS BLEACH,
HYPOCHLORITES, STRONG OXIDIZING AGENTS.

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

Waste Disposal Methods: ALLOW TO EVAPORATE IN OPEN AREA WITH WATER
DILUTION. MAY BE ABSORBED IN DRY INERT MATERIALS (S
AND, CLAY, SAWDUST
ETC.) TRANSFER TO DISPOSAL DRUMS. NOT CLASSIFIED AS RCRA HAZARDOUS
WASTE.

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