

MSDS - AMMONIUM PICRATE

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: AMMONIUM PICRATE (SARA III)
Ingredient Sequence Number: 01
Percent: >90
NIOSH (RTECS) Number: BS3855000
CAS Number: 131-74-8
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: WATER (CONTAMINANT)
Ingredient Sequence Number: 02
Percent: >10
NIOSH (RTECS) Number: ZC0110000
CAS Number: 7732-18-5
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

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Physical/Chemical Characteristics
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Appearance And Odor: CRYSTALS;YELLOW;ODOR NOT REPORTED
Boiling Point: 793F,423C
Melting Point: DECOMPOSES
Specific Gravity: 1.7
Solubility In Water: SLIGHT
Magnetism (Milligauss): N/P
Report for NIIN: 00D002973

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Fire and Explosion Hazard Data
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Flash Point Method: N/P
Extinguishing Media: DRY CHEMICAL,SAND,WATER SPRAY OR FOAM.
Special Fire Fighting Proc: SUBSTANCE DOES NOT BURN READILY ITSELF.USE
FLOODING QUANTITIES OF WATER AS A FOG AND TO COOL FIRE EXPOSED CONTAINERS.
SPRAY WATER FROM AS FAR AWAY AS POSSIBLE.
Unusual Fire And Expl Hazrds: DANGEROUS FIRE HAZARD WHEN EXPOSED TO HEAT
OR FLAME.

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Reactivity Data
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Stability: NO
Cond To Avoid (Stability): EXPLOSION HAZARD WHEN EXPOSED TO SHOCK,HEAT,
FLAMES(ESP.WHEN CONTAMINATED WITH METALS).
Materials To Avoid: METAL PICRATES(EXPLODES),METALS(EXPLODES AT 572F),
REDUCING MATERIALS(VIGOROUS REACTION).
Hazardous Decomp Products: AMMONIA FUMES(CORROSIVE),OXIDES OF NITROGEN AND
CARBON(TOXIC).
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NONE

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Health Hazard Data
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LD50-LC50 Mixture: NOT REPORTED
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: INHAL:IRRITANT.SKIN:IRRITANT/SENSITIZER.ITEM
IS DERMALLY ABSORBED,POSSIBLY TO TOXIC LEVELS.EYES:ITTITATION.INGEST:TOXIC.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: AMMONIUM PICRATE HAS NO CARCINOGENICITY
STATUS.
Signs/Symptoms Of Overexp: INHAL:MUCUOUS MEMBRANE IRRITATION,RHINITIS.
SKIN:SENSITIZATION DERMATITIS.ABSORPTION(THROUGH INHAL OR INGEST)CAUSES
NAUSEA,VOMITING,DIARRHEA,ABDOM.PAIN,YELLOWING OF SKIN,SKIN ERUPTIONS,
STUPOR,CONVULSIONS,DEATH.EYES:CONJUNCTIVITIS(FROM ACUTE AND CHRONIC
EXPOSURE).
Med Cond Aggravated By Exp: NOT REPORTED.
Emergency/First Aid Proc: INHAL:REMOVE FROM EXPOSURE.SUPPORT
BREATHING.CALL PHYSICIAN;TREAT SYMPTOMATICALLY.SKIN:REMOVE CONTAMINATED
CLOTHING AND SHOES;WASH WITH SOAP(OR MILD DETERGENT) FOR 15-20 MINUTES.CALL
PHYSICIAN.EYE:WASH WITH WATER OR NORMAL SALINE FOR 15-20 MINUTES.CALL
PHYSICIAN.INGEST:INDUCE VOMITING(IF CONSCIOUS);KEEP HEAD BELOW HIPS.GET
PROPMT MEDICAL HELP.
Report for NIIN: 00D002973

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Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: SHUT OF IGNITION SOURCES.DO NOT TOUCH SPILL.
SMALL SPILL:FLUSH AREA WITH WATER.LARGE SPILL:WET DOWN WITH WATER AND DIKE
FOR LATER DISPOSAL.REPORTABLE QUANTITY=10 POUNDS.
Neutralizing Agent: NOT KNOWN.
Waste Disposal Method: NOT SPECIFIED BY MANUFACTURER.FOLLOW FEDERAL,STATE

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AND LOCAL REGULATIONS.

Precautions-Handling/Storing: THIS MATERIAL EXPLODES EASILY WHEN DRY FROM HEAT OR SHOCK.

Other Precautions: NONE.

Control Measures

Respiratory Protection: BY INCREASING LEVELS:1-A DUST AND MIST RESPIRATOR+FULL FACEPIECE.2-AIR-PURIFYING FULL FACEPIECE RESPIRATOR+HEPA FILTER.3-POWERED AIR-PURIFYING RESP.+HEPA FILTER.4-TYPE C,AIR SUPPLIED RESP.4-SCBA IN POSITIVE PRESSURE MODE.

Ventilation: PROVIDE LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION. MECHANICALS SHOULD BE EXPLOSION-PROOF.

Protective Gloves: CHEMICALLY RESISTANT.

Eye Protection: SPLASH AND DUST RESISTANT GOGGLES.

Other Protective Equipment: USE IMPERVIOUS CLOTHING TO PREVENT SKIN CONTACT.AN EYE WASH STATION AND QUICK DRENCH SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices: USE PRUDENT HYGENIC AND SANITARY PRACTICES.WASH HANDS.KEEP FOOD AOUT OF THE WORK AREA.

Suppl. Safety & Health Data: NONE.

Transportation Data

Trans Data Review Date: 93061

DOT PSN Code: AST

DOT Proper Shipping Name: AMMONIUM PICRATE

DOT Class: 1.1D

DOT ID Number: UN0004

DOT Pack Group: II

DOT Label: EXPLOSIVE 1.1D

IMO PSN Code: BAL

IMO Proper Shipping Name: AMMONIUM PICRATE

IMO Regulations Page Number: 1104

IMO UN Number: 0004

IMO UN Class: 1.1 D

IMO Subsidiary Risk Label: -

IATA PSN Code: BQR

IATA UN ID Number: 0004

IATA UN Class: 1.1D

Report for NIIN: 00D002973

AFI Prop. Shipping Name: UNDER REVIEW

Additional Trans Data: REPORTABLE QUANTITY=10 LBS.MFR SUGGESTS DOT-EXPLOSIVE A;UN 0004.

Disposal Data

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Label Data
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Label Required: YES
Technical Review Date: 02MAR93
MFR Label Number: UNKNOWN
Label Status: F
Common Name: AMMONIUM PICRATE
Chronic Hazard: YES
Signal Word: DANGER!
Acute Health Hazard-Severe: X
Report for NIIN: 00D002973
Contact Hazard-Severe: X
Fire Hazard-Severe: X
Reactivity Hazard-Severe: X
Special Hazard Precautions: INHAL:IRRITANT.SKIN:IRRITANT/SENSITIZER.ITEM
IS DERMALLY ABSORBED,POSSIBLY TO TOXIC LEVELS.EYES:IRRITATION.INGEST:TOXIC.
INHAL:REMOVE FROM EXPOSURE.SUPPORT BREATHING.CALL PHYSICIAN;TREAT
SYMPTOMATICALLY.SKIN:REMOVE CONTAMINATED CLOTHING AND SHOES;WASH WITH
SOAP(OR MILD DETERGENT) FOR 15-20 MINUTES.CALL PHYSICIAN.EYE:WASH WITH
WATER OR NORMAL SALINE FOR 15-20 MINUTES.CALL PHYSICIAN.INGEST:INDUCE
VOMITING(IF CONSCIOUS);KEEP HEAD BELOW HIPS.GET PROPMT MEDICAL HELP.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y