

NITROCHEM CORP -- AMMONIUM NITRATE PRILL: INDUSTRIAL GRADE -- 6530-01-444-5476

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Product Identification  
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Product ID:AMMONIUM NITRATE PRILL: INDUSTRIAL GRADE

MSDS Date:03/10/1995

FSC:6530

NIIN:01-444-5476

Status Code:A

MSDS Number: CJSPV

=== Responsible Party ===

Company Name:NITROCHEM CORP

Address:1405 N. CEDAR CREST BLVD. SUITE 209

City:ALLENTOWN

State:PA

ZIP:18108

Country:US

Info Phon

e Num:610-434-5201

Emergency Phone Num:613-348-3990

Preparer's Name:GLEN R. WEAVER

CAGE:TO397

=== Contractor Identification ===

Company Name:CONSOLIDATED PRODUCTS AND SERVICES INC

Address:100-L MESSINA DR

Box:City:BRAINTREE

State:MA

ZIP:02184

Country:US

Phone:617-356-8888

Contract Num:SP0200-99-A-9970-K156

CAGE:6X653

Company Name:NITROCHEM CORP

Address:1405 N. CEDAR CREST BLVD. SUITE 209

Box:City:ALLENTOWN

State:PA

ZIP:18108

Country:US

Phone:610-434-5201

CAGE:TO397

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Composition/I

Information on Ingredients =====

Ingred Name:AMMONIUM NITRATE

CAS:6484-52-2

RTECS #:BR9050000

Ingred Name:PROPRIETARY MINERAL OIL COATING

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

LD50 LC50 Mixture:LD50 = 5300 MG/KG

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

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

Health Hazards Acute and Chronic:EYE: MAY CAUSE IRRITATION, REDNESS AND TEARING. SKIN: CONTACT OVER EXTENDED PERIODS WITH DRY SKIN O

R FOR

SHORTER PERIODS WITH MOIST MAY CAUSE IRRITATION. INHALE: MAY CAUSE IRRITATION TO MUCOUS MEMBRAN E.

Explanation of Carcinogenicity:RATINGS:: INTERNATION AGENCY FOR THE RESEARCH ON CANCER - NONE. NATIONAL TOXICOLOGY PROGRAM- NONE. OSHA - NONE.

Effects of Overexposure:MILD SKIN IRRITATION. REDNESS AND TEARING ON CONTACT WITH EYES.

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

First Aid:FOR CONTACT WITH SKIN AND EYES IRRIGATE WITH FRESH WATER FOR

15 MINUTES. IF EYE IRRITATION PERSISTS SEEK MEDICAL ATTENTION. IF INDESTED INDUCE VOMITING AND SEEK MEDICAL ATTENTION. FOR INHALATION REMOV E TO FRESH AIR AND SEEK MEDICAL ATTENTION.

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

Extinguishing Media:WATER

Fire Fighting Procedures:FIREFIGHTERS MUST BE OUTFITTED IN FULL BUNKER GEAR AND POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS.USE COPIOUS AMOUNTS OF WATER IN EARLY STAGES TO PROVIDE FOR LATENT H EAT

OF VAPORIZATION. EVA CUATE PERSONNEL IN ADVANCE FIRE STAGE

Unusual Fire/Explosion Hazard:AMMONIUM NITRATE IS A CHEMICAL WHICH WILL LIBERATE OXYGEN, THUS ENHANCING THE COMBUSTION PROCESS AND POSIBLE DETONATION!!

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

Spill Release Procedures:ISOLATE SPILLED MATERIAL FROM SOURCES OF OPEN FLAME AND ORGANIC MATTER. KEEP CIVILIANS AWAY FROM AFFECTED AREA AND PREVENT THE MIGRATION OF THE PRODUCT INTO SURFACE WATER

S AND

STORM SYSTEMS. SPILLED PRODUCT CAN BE EASILY SWEEPED OR SHOVELED INTO A CLEAN DOT APPROVED SHIPPING CONTAINER.

Neutralizing Agent:NONE PROVIDED BY MFR.

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

Handling and Storage Precautions:STORE IN COOL, DRY NON COMBUSTIBLE STRUCTURES KEEPING SEPARATE FROM OTHER CHEMICALS, PARTICULARLY ORGANICS. DRAINS AND SUMPS SHOULD ALSO BE AVOIDED IN AREAS WHERE THE PRODUCT IS MANAGED IN SO FAR THAT MOLTEN MATERIAL MAY COLLECT AND DETONATE DURING A FIRE.

Other Precautions:THE PRODUCTS OF DECOMPOSITION ARE NITROGEN OXIDES WHICH APPEAR AS YELLOW TO BROWN FUMES. THESE OXIDES OF NITROGEN (NOX) ARE NITRIC OXIDE (NO), NITROUS OXIDE (N<sub>2</sub>O), NITROGEN DIOXIDE (NO<sub>2</sub>) AND NITROGEN TRIOXIDE (NO<sub>3</sub>). EACH IS EXTREMELY TOXIC AND EXPOSURE TO THEM MUST BE AVOIDED.

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

Respiratory Protection:THE USE OF A NIOSH APPROVED PARTICULATE RESPIRATOR IS RECOMMENDED IN DUSTY CONDITIONS OR WHERE THE PEL IS LIKELY TO BE EXCEEDED.

Ventilation:GENERAL AREA VENTILATION NORMALLY SUFFICIENT

Protective Gloves:USE OF GLOVES IS RECOMMENDED TO AVOID SKIN IRRITATION FROM PROLONGED EXPOSURE

Eye Protection:USE OF ANSI APPROVED EYE PROTECTION IS RECOMMENDED WHERE EYE CONTACT IS EXPECTED

Other Protective Equipment:NONE PROVIDED BY MFR.

Work Hygienic Practices:NONE PROVIDED BY MFR.

Supplemental Safety and Health  
NONE PROVIDED BY MFR.

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

HCC:D1

Melt/Freeze Pt:=-168.9C, 336.F

Decomp Temp:=-210.C, 410.F

pH:5.4

Solubility in Water:COMPLETE

Appearance and Odor:WHITE SOLID GRANULES WITHOUT ODOR

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

Stability Indicator/Materials to Avoid:YES

PREVENT INADVERTENT MIXING WITH THE AFOREMENTIONED METALS AND ORGANIC SUBSTANCES SUCH AS SOLVENTS, OILS, AND LUBRICANTS AS WELL AS ACIDS.

Stability Condition to Avoid:STABLE

E UNDER AMBIENT CONDITIONS. AVOID

EXPOSING PRODUCT TO OPEN FLAME AND AVOID STORING PRODUCT IN A CONFINING MANNER WHERE THERE IS A LIKELIHOOD OF FIRE.

Hazardous Decomposition Products:OXIDES OF NITROGEN WHICH ACT AS ACCELERANTS TO THE PROCESS OF COMBUSTION.

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Waste Disposal Methods:PREFERENCE MUST BE GIVEN TOWARDS REUSE OR RECYCLING, HOWEVER, IF NOT FEASIBLE, WASTE AMMONIUM NITRATE MEETS

THE DEFINITION OF A CHARACTERISTICALLY HAZARDOUS WASTE (D001) AND MUST BE DISPOSED IN ACCORDANCE WITH EPA RESOURCE, CONSERVATION AND RECOVERY ACT, PUBLISHED IN 40 CFR PARTS 261-268.

===== MSDS Transport Information =====

Transport Information:DOT: PROPER SHIPPING NAME: AMMONIUM NITRATE. HAZARD DIVISION 5.1. PACKING GROUP III.

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