

PCS NITROGEN INC -- AMMONIUM NITRATE - 1 - LOW DENSITY -- 6810-01-091-8676

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

Product ID:AMMONIUM NITRATE - 1 - LOW DENSITY

MSDS Date:06/01/1997

FSC:6810

NIIN:01-091-8676

Status Code:A

MSDS Number: CJMWB

=== Responsible Party ===

Company Name:PCS NITROGEN INC

Address:3175 LENOX PARK BLVD, SUITE 400

City:MEMPHIS

State:TN

ZIP:38115-4256

Country:US

Info Phone Num:800-5

42-0132

Emergency Phone Num:800-424-9300

Resp. Party Other MSDS Num.:MSDS #22

Preparer's Name:RAY FERRARA / TOM BROWER

Chemtrec Ind/Phone:(800)424-9300

CAGE:MO421

=== Contractor Identification ===

Company Name:PCS NITROGEN INC

Address:3175 LENOX PARK BLVD, SUITE 400

Box:City:MEMPHIS

State:TN

ZIP:38115-4256

Country:US

Phone:800-542-0132

CAGE:MO421

Company Name:WALTRON LTD

Address:50 TANNERY RD

Box:70

City:WHITEHOUSE

State:NJ

ZIP:08888-0070

Country:US

Phone:908-534-5654/FAX: 908-534-5694

Contract

Num:SP0450-99-M-ND07

CAGE:71229

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Composition/Information on Ingredients  
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Ingred Name:AMMONIUM NITRATE

CAS:6484-52-2

RTECS #:BR9050000

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Hazards Identification  
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LD50 LC50 Mixture:LD50 = 4820 MG/KG (RAT)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:EYE: WILL PRODUCE PAIN AND IRRITATION.

SKIN: SLIGHTLY IRRITATING. INHALE: C

AN CAUSE IRRITATION. INGEST:

SMALL REPEATED DOSES MAY LEAD TO WEAKNESS, GENERAL DEPRESSION,  
HEADACHE AND MENTAL IMPAIRMENT. 10 TO 15 GRAMS MAY HAVE SERIOUS OR  
FATAL EFFECT.

Explanation of Carcinogenicity:NONE LISTED.

Effects of Overexposure:CYANOSIS, NAUSEA, VERTIGO, COLLAPSE, VOMITING,  
ABDOMINAL PAIN, AND BRADYCARDIA, TACHYPNEA, COMA, CONVULSION, AND  
DEATH CAN OCCUR.

Medical Cond Aggravated by Exposure:NONE PROVIDED.

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First Aid Measures  
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First Aid:EYE: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT  
LEAST 20 MINUTES. SEEK MEDICAL ATTENTION. SKIN: WASH THOROUGHLY  
WITH WATER AND SOAP. INHALE: REMOVE TO FRESH AIR. IF DISCOMFORT  
CONTINUES, SEEK MEDICAL AID. INGEST: IF PERSON IS CONSCIOUS,  
DILUTE STOMACH WITH WATER AND MAKE PERSON VOMIT. SEEK MEDICAL AID.

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Fire Fighting Measures  
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Extinguishing Media:USE LARGE QUANTITIES OF WATER. DO NOT USE  
SMOTHERING

AGENTS SUCH AS CARBON DIOXIDE, DRY CHEMICAL, FOAM OR  
STEAM. THEY WILL NOT EXTINGUISH BURNING AMMONIUM NITRATE.

Fire Fighting Procedures:DO NOT USE SALT WATER. FIGHT FIRE FROM A  
PROTECTED LOCATION AS STEAM ERUPTIONS ARE COMMON AND SPLASHES FROM  
MOLTEN AMMONIUM NITRATE ARE POSSIBLE.

Unusual Fire/Explosion Hazard:FLOOD MELTED & BURNING AMMONIUM NITRATE  
WITH LARGE VOLUMES OF STRAIGHT STREAM WATER APPLICATION. DO NOT  
SMOTHER FIRE. DO NOT ADD STEAM, DRY CHEMICAL OR CARBON DIOXIDE

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SMOTHERING APPLICATIONS.

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

Spill Release Procedures:PREVENT CONTAMINATION WITH COMBUSTIBLES AND KEEP AWAY FROM HEAT. IF UNCONTIMINATED, RECOVER AND RE-USE AS PRODUCT.

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

Handling and Storage Precautions:MINIMIZE CONTACT WITH SKIN AND EYES. STORE IN WELL-VENTILATED AREA AWAY FROM FIRE HAZARD.

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

Respiratory Protection:A NIOSH APPROVED RESPIRATOR IS RECOMMENDED TO PREVENT EXPOSURE TO NUISANCE DUST.  
Ventilation:PROVIDE VENTILATION FOR NUISANCE DUST PROTECTION IN ORDER TO MAINTAIN EXPOSURE BELOW TLV/PEL.  
Eye Protection:SAFETY GLASSES AS A MINIMUM REQUIREMENT. PROTECTIVE GOGGLES RECOMMENDED.  
Other Protective Equipment:UNLESS SKIN IRRITATION DEVELOPS, NO RECOMMENDATIONS.  
Supplemental Safety and Health

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

HCC:D1  
Boiling Pt:B.P. Text:DECOMPOSES  
Melt/Freeze Pt:=155.C, 311.F  
Vapor Pres:NA  
Solubility in Water:APROXIMATELY 66%  
Appearance and Odor:SOLID WHITE GRANULE PRILL; ODORLESS.

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

Stability Indicator/Materials to Avoid:YES  
AVOID MIXING AMMONIUM NITRATE WITH WOOD CHIPS, ORGANIC MATERIALS, SULFUR, CHLORIDES, PHOSPHOROUS, ACIDS, FLAMMAABLE AND COMBUSTIBLE LIQUIDS, AND CHARCOALS.  
Stability Condition to Avoid:AVOID

CONTAMINATION WITH OXIDIZABLE OR ORGANIC MATERIALS. ALSO AVOID HEATING IN A CONFINED SPACE.  
Hazardous Decomposition Products:NITROGEN OXIDE GASES EMITTED ON DECOMPOSITION ARE TOXIC. WHEN HEATING AMMONIUM NITRATE, MATL DECOMPOSES TO AMMONIA, NITRIC ACID, & OXIDES OF NITROGEN. AMMONIUM NITRATE MAY DETERIORATE HEATED.  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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Ecological Information  
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Ecological:AMMONIUM NITRATE IS A PLANT NUTRIENT.

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Disposal Considerations  
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Waste Disposal Methods:CONSULT STATE OR FEDERAL REGULATORY AGENCIES FOR ACCEPTABLE DISPOSAL PROCEDURES AND DISPOSAL LOCATIONS.

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MSDS Transport Information  
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Transport Information:DOT CLASSIFICATION : OXIDIZER.

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