SIGMA CHEMICAL COMPANY -- 09910 AMMONIUM PERCHLORATE FINE CRYST -- 6850-00F056548

Product Identification

Product ID:09910 AMMONIUM PERCHLORATE FINE CRYST
MSDS Date:08/01/1995
FSC:6850
NIIN:00F056548
MSDS Number: CHNDZ

Responsible Party

Company Name: SIGMA CHEMICAL COMPANY
Address: 3050 SPRUCE ST
Box: 14508
City: SAINT LOUIS
State: MO
ZIP: 63178-5000
Country: US
Info Phone Num: 314-771-5765/800-325-3010
Emergency Phone Num: 314-771-5765/800-325-3010

Contractor Identification

Company Name: ALDRICH CHEMICAL CO INC
Address: 1001 WEST ST PAUL AVE
Box: 355
City: MILWAUKEE
State: WI
ZIP: 53233
Country: US
Phone: 414-273-3850
CAGE: 60928

Company Name: FLUKA CHEMICAL CORP
Address: 1001 WEST ST PAUL
Box: City: MILWAUKEE
State: WI
ZIP: 53233
Country: US
Phone: 414-273-3850
CAGE: 63181

Company Name: SIGMA CHEMICAL COMPANY
Address: 3050 SPRUCE ST
Box: 14508
City: SAINT LOUIS
State: MO
ZIP: 63178
Country: US
Phone: 314-771-5765
CAGE: 21076

Composition/Information on Ingredients

Ingred Name: AMMONIUM PERCHLORATE
CAS: 7790-98-9
RTECS #: SC7520000

Hazard Identification
LD50 LC50 Mixture: ORAL LD50(RAT): 4200 MG/KG
Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: HARMFUL IF INGESTED, INHALED/ABSORBED THROUGH SKIN. EYES/SKIN: IRRITATION. INHALATION: IRRITATING TO MUCOUS MEMBRANES & UPPER RESPIRATORY TRACT.
Explanation of Carcinogenicity: NONE
Effects of Overexposure: IRRITATION.

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

First Aid: EYES/SKIN: FLUSH W/COPIOUS AMOUNTS OF WATER FOR 15 MINS.
INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED.
INGESTION: WASH OUT MOUTH W/WATER IF CONSCIOUS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Extinguishing Media: WATER SPRAY.
Fire Fighting Procedures: WEAR SCBA & PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.
Unusual Fire/Explosion Hazard: MAY EXPLODE WHEN HEATED. CONTACT W/OTHER MATERIAL MAY CAUSE FIRE. EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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

Spill Release Procedures: EVACUATE AREA. WEAR SCBA, RUBBER BOOTS & HEAVY RUBBER GLOVES. COVER W/DRY LIME/SODA ASH, PICKUP, KEEP IN A CLOSED CONTAINER & HOLD FOR WASTE DISPOSAL. VENTILATE AREA & WASH SITE AFTER MATERIAL PICKUP IS COMPLETE.

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

Handling and Storage Precautions: STORE IN A COOL DRY PLACE. KEEP AWAY FROM COMBUSTIBLE MATERIALS/HEAT/SPARKS & OPEN FLAME. KEEP TIGHTLY CLOSED.
Other Precautions: AVOID PROLONGED/REPEATED EXPOSURE. DON'T GET IN EYES, SKIN/CLOTHING. DON'T BREATHE DUST.

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

Respiratory Protection: WEAR APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR.
Ventilation: CHEMICAL FUME HOOD.
Protective Gloves: CHEMICAL RESISTANT
Eye Protection: SAFETY GOGGLES
Other Protective Equipment: PROTECTIVE CLOTHING, SAFETY SHOWER & EYE BATH.
Work Hygienic Practices: DISCARD CONTAMINATED CLOTHING & SHOES. WASH THOROUGHLY AFTER HANDLING.

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

Spec Gravity: 1.95
Appearance and Odor: WHITE POWDER

================================ Stability and Reactivity Data =================================
Stability Indicator/Materials to Avoid: YES
STRONG REDUCING AGENTS, STRONG ACIDS, STRONG OXIDIZERS.
Stability Condition to Avoid: HEAT, SPARKS, OPEN FLAMES.
Hazardous Decomposition Products: COMBUSTION: AMMONIA.

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

Waste Disposal Methods: CAUTIOUSLY ADD A LARGE STIRRED EXCESS OF WATER.
ADJUST THE PH TO NEUTRAL, SEPARATE INSOLUBLE SOLIDS/LIQUIDS &
PACKAGE FOR HAZARDOUS WASTE DISPOSAL, IAW/FEDERAL, STATE & LOCAL
REGULATIONS. FLUSH THE AQUEOUS SOLUTION DOWN THE DRAIN W/PLENTY OF
WATER.

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