

SPECTRUM CHEMICAL -- AMMONIUM PERSULFATE -- 6810-00-234-8360

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

Product ID:AMMONIUM PERSULFATE

MSDS Date:12/01/1993

FSC:6810

NIIN:00-234-8360

MSDS Number: BSKTJ

=== Responsible Party ===

Company Name:SPECTRUM CHEMICAL

Address:14422 SOUTH SAN PEDRO STREET

City:GARDENA

State:CA

ZIP:90248-2027

Country:US

Info Phone Num:310-516-8000

Emergency Phone Num:310-516-8000,8

00-424-9300(CHEMTREC)

Preparer's Name:C.A.EISENHARD

CAGE:63415

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:SPECTRUM LABORATORY PRODUCTS INC

Address:14422 S SAN PEDRO ST

Box:City:GARDENA

State:CA

ZIP:90248-2027

Country:US

Phone:310-516-8000/FAX: 310-516-9843

CAGE:63415

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

Ingred Name:AMMONIUM PERSULFATE

CAS:7727-54-0

RTECS #:SE0350000

Fraction by Wt: 98%

Other REC Limits:2 MG/M3 AIR

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 820 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:EYES: MAY CAUSE IRRITATION. PROLONGED EXPOSURE MAY CAUSE CONJUNCTIVITIS. SKIN: MAY CAUSE IRRITATION, DERMATITIS. IN

HALATION: MAY CAUSE IRRITATION, LABORED BREATHING.

INGESTION: NO SYMPTOMS GIVEN. HOWE VER, A DOSE OF 820 MG/KG WAS LETHAL TO 50% OF A RAT POPULATION.

Effects of Overexposure:EYES: IRRITATION, CONJUNCTIVITIS. SKIN:

IRRITATION, DERMATITIS. INHALATION: RESPIRATORY SYSTEM IRRITATION, LABORED BREATHING. INGESTION: NO SYMPTOMS GIVEN. AN ORAL DOSE OF 820 MG/KG OF PRODUCT WAS LET HAL TO 50% OF A RAT POPULATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER OR NORMAL SALINE. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND WATER. GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR . IF NOT BREATHING, GIVE CPR. GET MEDICAL ATTENTION. INGESTION: TREAT SYMPTOMATICALLY AND SUPPORTIVELY. GET MEDICAL ATTENTION.

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

Flash

Point:NON-FLAMMABLE

Extinguishing Media:USE APPROPRIATE MEDIA FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. A POWERFUL OXIDIZER. RELEASES OXYGEN IN A FIRE AT LOW TEMPERATURES.

Unusual Fire/Explosion Hazard:CAN EXPLODE WHEN MIXED WITH SODIUM PEROXIDE (NA2O2) AND HEATED OR CRUSHED. ALSO CAN EXPLODE WHEN MIXED WITH POWDERED ALUMINUM AND HYDROGEN.

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

Spill Release Procedures:ELIMINATE IGNITION SOURCES. KEEP COMBUSTIBLES AWAY FROM SPILL. DO NOT TOUCH MATERIAL. WITH CLEAN SHOVEL PLACE SMALL DRY SPILL INTO DRY CONTAINER AND COVER TIGHTLY. CONTAIN LIQUID SPILL AND ABSORB WITH ABSORBENT AND PLACE INTO CONTAINER FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. MAY IGNITE

OTHER COMBUSTIBLE MATERIALS (WOOD, PAPER, OIL, ETC.). REACTION WITH FUELS MAY BE VIOLENT.

Other Precautions:RUNOFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD. KEEP AWAY FROM COMBUSTIBLES.

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

Respiratory Protection:USE RESPIRATORY APPARATUS BASED UPON CONTAMINATION LEVELS IN THE WORK PLACE. FOR EXAMPLE, FOR DUST AND MIST EXPOSURE, USE A DUST AND MIST RESPIRATOR WITH FULL HEADPIECE OR A SELF-CONTAINED BREATHING APPARATUS IN THE POSITIVE PRESSURE MODE.

Ventilation:PROVIDE MECHANICAL (GENERAL) AND LOCAL EXHAUST VENTILATION AS REQUIRED TO MAINTAIN EXPOSURE BELOW RECOMMENDED TLV/PEL.

Protective Gloves:WEAR IMPERVIOUS GLOVES.

Eye Protection:SPLASH PROOF/DUST RESISTANT GOGGLES.

Other Protective Equipment:WEAR IMPERVIOUS PROTECTIVE CLOTHING TO MINIMIZE SKIN EXPOSURE. PROVIDE EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMO

KING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:D1

Melt/Freeze Pt:M.P/F.P Text:120F DECOMP

Decomp Temp:Decomp Text:120F,49C

Spec Gravity:1.982

Solubility in Water:APPRECIABLE

Appearance and Odor:WHITE GRANULAR CRYSTALS. ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

ALUMINUM,EXPLOSION IF CONTACTED WITH WATER.SODIUM

PEROXIDE,EXPLOSION IF  
CRUSHED.IRON,DISSOLVES VIOLENTLY.ZINC,EXPLOSIVE.  
Stability Condition to Avoid:STABLE UNDER NORMAL TEMPERATURES AND  
PRESSURES.  
Hazardous Decomposition Products:EMITS TOXIC SULFUR OXIDE, NITROGEN  
OXIDE, OR AMMONIA UPON HEATING.  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER FOR  
PROPER DISPOSAL INFORMATION. DISPOSE OF WASTE  
IN ACCORDANCE WITH  
LOCAL, STATE AND FEDERAL REGULATIONS.

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