AMMONIUM PERSULFATE

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: AMMONIUM PERSULFATE
Manufacturer Name: FISHER SCIENTIFIC CO; CHEMICAL MFG DIV
Address:
1-REAGENT LN Box: N/K
City: FAIR LAWN
State: NJ
Zip: 07410-2802
Country: US
Business Phone: 201-796-7100
For information in North America, call: 201-796-7100
Health Phone: 201-796-7100
Manufacturer MSDS Creation Date:
12/12/1988

SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>Percent</th>
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</thead>
<tbody>
<tr>
<td>AMMONIUM</td>
<td>7727-54-0</td>
<td>100.0</td>
</tr>
<tr>
<td>PEROXYDISULFATE</td>
<td></td>
<td></td>
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</tbody>
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RTECS:
SE0350000
OSHA PEL TWA: N/K
ACGIH TLV TWA: SMG/CUM AS S*2O*8
ACGIH STEL/Ceiling: N/P
Comments:
Other REC Limits: 2MG/CUM AS S*2O*8 ; Ozone Depleting Chemical: N ;

SECTION 3: HAZARDS IDENTIFICATION

AMMONIUM PEROXYDISULFATE:

Route of Exposure:
Inhalation: YES Skin: NO Ingestion: YES
Potential Health Effects:
ACUTE: INHALATION: IRRITATION, ASTHMA, PULMONARY EDEMA.
SKIN: IRRITANT/SENSITIZER, BURNS, DERMATITIS. EYES: IRRITATION.
INGESTION: IRRITATION OF G.I.TRACT. CHRONIC: CONJUNCTIVITIS, ASTHMA,
DERMATITIS, SEN SITIZATION.
Carcinogenicity:
NONE
OSHA Designation: NO
NTP Designation: NO
IARC Designation: NO

http://65.170.37.129:81/7452.html
12/16/02
Signs/Symptoms:
INHALATION: CHEST PAIN, TIGHTNESS OF CHEST, COUGHING. EYES: REDNESS, BURNING SENSATION, TEARING. SKIN: REDNESS, ITCHING, BURNS, RASH. INGESTION: NAUSEA, VOMITING, STOMACH PAIN.

Aggravation of Pre-Existing Conditions:
PRE-EXISTING SKIN AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED.

LD 50 LC 50 Mixture
ORAL LD50 (RAT) IS 820 MG/KG

SECTION 4 : FIRST AID MEASURES

First Aid
INHALATION: REMOVE TO FRESH AIR, CALL DOCTOR.
SKIN: WASH IMMEDIATELY WITH LARGE AMOUNTS OF WATER. EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, CALL A PHYSICIAN. INGESTION: GIVE 2 TO 4 GLASSES OF WATER, SEE A DOCTOR IMMEDIATELY.

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point:
NONE
Flash Point Method:
N/P
Upper Flammable or Explosive Limit: N/K
Lower Flammable or Explosive Limit: N/K
Auto Ignition Temperature: N/K
Extinguishing Media:
DRY CHEMICAL, CO2, WATER SPRAY.
Fire Fighting Instructions:
USE NIOSH/MSHA APPROVED SCBA IN CASE OF FIRE IN AN ENCLOSED AREA.

Unusual Fire Hazards:
OXIDIZER. RELEASES OXYGEN WHEN HEATED. MODERATE FIRE AND EXPLOSION HAZARD. USE REASONABLE CARE.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Leak Response:
USE PROPER PERSONAL PROTECTION. KEEP COMBUSTIBLE MATERIALS AWAY. SHOVEL AND COLLECT IN DRY CONTAINER, FOR PROPER DISPOSAL.

Other Precautions:
NONE SPECIFIED BY MANUFACTURER.

Neutralizing Agent
NONE

SECTION 7 : HANDLING and STORAGE

Handling:
STORE IN COOL AND DRY AREA. KEEP AWAY FROM HEAT, SPARKS AND COMBUSTIBLE MATERIALS.

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

Ventilation System:
USE ADEQUATE MECHANICAL VENTILATION.

Hand Protection Description:
RUBBER, RUBBER BLEND

Eye/Face Protection:
SAFETY GLASSES/FACESHIELD.

Respiratory Protection:
USE NIOSH/MSHA APPROVED RESPIRATOR OR SCBA IN AN ENCLOSED AREA.

Other Protective:
EYE WASH, SAFETY SHOWER.

Other:

Work Hygienic Practices
AVOID CONTACT WITH EYES AND SKIN. DO NOT BREATHE DUST/MIST.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance:
LIGHT TO COLORLESS SOLID OR WHITE CRYSTALS, ODORLESS

pH:
N/K

Decomposition Temperature:
478°F, 248°C

Vapor Pressure:
UNKNOWN

Vapor Density:
UNKNOWN

Boiling Point:
UNKNOWN

Melting Point:
248°F, 120°C

Solubility In Water:
APPRECIABLE

Specific Gravity:
1.9

Evaporation Point:
UNKNOWN

Percent Volatile:
N/K

Viscosity:
N/P

Other:
Corrosion Rate: UNKNOWN
SECTION 10 : STABILITY AND REACTIVITY

Chemical Stability:
YES
Conditions to Avoid:
EXTREME HEAT, FINELY DIVIDED METALS.
Incompatibilities with Other Materials:
ALUMINIUM AND WATER, PERCHLORIC ACID, CHLORATES.
Hazardous Polymerization:
NO
Hazardous Decomposition Products:
SULFUR OXIDE, NITROGEN OXIDE.
Conditions To Avoid Polymerization
NONE

SECTION 11 : TOXICOLOGICAL INFORMATION

Toxicological Paragraph:
N/P

SECTION 12 : ECOLOGICAL INFORMATION

Ecological Paragraph:
N/P

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal:
DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 14 : TRANSPORT INFORMATION

Transportation Information:
N/P

SECTION 15 : REGULATORY INFORMATION

AMMONIUM PEROXYDISULFATE:
SARA:
N/P
US Federal:
N/P
State:
N/P

SECTION 16 : ADDITIONAL INFORMATION

MSDS Author:
N/R
Disclaimer:
Please note that although the information, opinions and recommendations contained in these Material Safety Data Sheets are compiled from sources believed to be reliable, we accept no responsibility for the accuracy, sufficiency, or reliability or for any loss or injury resulting from the use of the information. Newly discovered hazards are frequent and this information may not be completely up to date.

Other Information
N/P

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