

SIGMA CHEMICAL COMPANY -- P6142, POTASSIUM PERMANGANATE -- 6810-01-272-9337

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Product Identification
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Product ID:P6142, POTASSIUM PERMANGANATE

MSDS Date:04/04/1991

FSC:6810

NIIN:01-272-9337

MSDS Number: BJXVG

=== Responsible Party ===

Company Name:SIGMA CHEMICAL COMPANY

Box:14508

City:ST. LOUIS

State:MO

ZIP:63178

Info Phone Num:800-325-8070

Emergency Phone Num:314-771-5765

CAGE:21076

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Contractor Identification ===

Company Name:COLUMBIA DIAGNOSTICS INC

Address:8001 RESEARCH WAY

Box:City:SPRINGFIELD

State:VA

ZIP:22153-3131

Country:US

Phone:703-569-7511

CAGE:64767

Company Name:SIGMA CHEMICAL COMPANY

Address:3050 SPRUCE ST

Box:14508

City:ST LOUIS

State:MO

ZIP:63178

Country:US

Phone:314-771-5765

CAGE:21076

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM PERMANGANATE (SARA III)

CAS:7722-64-7

RTECS #:SD6475000

Fraction by Wt: 100%

Other

REC Limits:NONE ESTABLISHED
OSHA PEL:5 MG MN/M3;CEILING
ACGIH TLV:5 MG MN/M3; 9192
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:LD50 = 1090 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:HARMFUL IF SWALLOWED, INHALED, OR
ABSORBED THROUGH SKIN. MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE
OF THE MUCO
US MEMBRANES AND UPPER RESPIRATORY TRACT, EYES & SKIN.
INHALATION MAY BE FATAL AS A RESU LT OF SPASM, INFLAMMATION & EDEMA
OF THE LARYNX & BRONCHI, CHEMICAL PNEUMONITIS & PULMONARY EDEMA.
Effects of Overexposure:SYMPTOMS MAY INCLUDE BURNING SENSATION,
COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE,
NAUSEA, AND VOMITING.
Medical Cond Aggravated by Exposure:TARGET ORGANS: CENTRAL NERVOUS
SYSTEMS, BLOOD, KIDNEYS.

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

First Aid:EYE/SKIN: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15
MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES; ASSURING
SEPARATING EYELIDS WITH FINGERS; INHALE: REMOVE TO FRESH AIR. IF
NOT BREA THING, GIVE ARTIFICIAL RESPIRATION; IF BREATHING IS
DIFFICULT, GIVE OXYGEN; INGEST: WASH OUT MOUTH WITH WATER PROVIDED
PERSON IS CONSCIOUS. CALL A PHYSICIAN.

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

Flash Point:NONE
Ext
inguishing Media:WATER SPRAY.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:CONTACT WITH OTHER MATERIAL MAY CAUSE
FIRE. EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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

Spill Release Procedures:EVACUATE AREA. SHUT OFF ALL SOURCES OF
IGNITION. WEAR SELF-CONTAINED BREATHING APPARATUS. RUBBER BOOTS AND
HEAVY RUBBER GLOVES. COVER WITH DRY-LIME, SAND OR SODA ASH. PLACE
IN CO

VERED CONTAINERS USING NON-SPARKING TOOLS AND TRANSPORT OUTDOORS.

Neutralizing Agent:SEE BELOW.

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

Handling and Storage Precautions:AVOID BREATHING DUST. DO NOT GET IN EYES, OR ON SKIN, ON CLOTHING. AVOID PROLONGED OR REPEATED EXPOSURE. WASH THOROUGHLY AFTER HANDLING.

Other Precautions:CORROSIVE. TOXIC. KEEP AWAY FROM COMBUSTIBLE MATERIALS, HEAT, SPARKS, AND OPEN FLAME. KEEP TIGHTLY CLOSED.

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===== Exposu
re Controls/Personal Protection =====

Respiratory Protection:WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR.

Ventilation:USE ONLY IN A CHEMICAL FUME HOOD.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protection:SAFETY GOGGLES.

Other Protective Equipment:OTHER PROTECTIVE CLOTHING.

Supplemental Safety and Health

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

HCC:D1

Spec Gravity:2.7

Appearance and Odor:BLACK OR DEEP PURPLE CRYSTALS

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===== Stabilit
y and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG REDUCING AGENTS. FINELY POWDERED METALS. PEROXIDES.

Stability Condition to Avoid:NONE STATED.

Hazardous Decomposition Products:NATURE OF DECOMPOSITION PRODUCTS NOT KNOWN.

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

Waste Disposal Methods:ACIDIFY A 3% SOLUTION TO PH=2 WITH SULFURIC ACID. GRADUALLY ADD A 50% EXCESS OF AQUEOUS SODIUM BISULFITE WITH STIRRING AT ROOM TEMPE

RATURE. TEMP. WILL INCREASE. THEN ADD MORE

ABOUT 10% OF THE SODIUM BISULFITE SOLUTION, ADJUST TO PH AROUND 7.

DRAIN.

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