

FISHER SCIENTIFIC CO CHEMICAL DIV. -- POTASSIUM PERSULFATE -- 6810-00-137-3300

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

Product ID:POTASSIUM PERSULFATE

MSDS Date:08/02/2000

FSC:6810

NIIN:00-137-3300

MSDS Number: BPKJX

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100 800-424-9300(CHEMTREC)

Chemtrec Ind/Phone:(800)42

4-9300

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:2000 PARK LN

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-490-8586

CAGE:22527

Company Name:FISHER SCIENTIFIC CO

Address:3970 JOHNS CREEK CT, SUITE 500

Box:City:SUWANEE

State:GA

ZIP:30024

Country:US

Phone:770-871-4500

Contract Num:SP0450-99-M-C130

CAGE:8E930

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phon

e:201-796-7100
Contract Num:SPO450-01-M-D231
CAGE:1B464

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

Ingred Name:POTASSIUM PEROXYDISLUFATE; EINECS# 231-781-8.
CAS:7727-21-1
RTECS #:SE0400000
= Wt:100.
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 802 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Haza
rds Acute and Chronic:EYE-MAY CAUSE SEVERE EYE IRRITATION.
MAY CAUSE CONJUNCTIVITIS. MAY CAUSE PERMANENT CORNEAL
OPACIFICATION. SKIN-MAY CAUSE SENSITIZATION, AN ALLERGIC REACTION.
MAY CAUSE SEVERE IRRITATION & POSSIBLE BUR NS. INGESTION-MAY CAUSE
BURNS TO THE GASTROINTESTINAL TRACT. MAY BE HARMFUL IF SWALLOWED.
INHALATION-DUST IS IRRITATING TO THE RESPIRATORY TRACT. MAY CAUSE
ACUTE PULMONARY EDEMA, ASPHYXIA, CHEMICAL PN EUMONITIS, & UPPER
AIRWAY OBSTRUCTION CAUSED BY
EDEMA. CHRONCI:PROLONGED/REPEARTED
SKIN CONTACT MAY CAUSE SENSITIZATION DERMATITIS & POSSIBLE
DESTRUCTION &/OR ULCERATION. REPEATED EXPOSURE MAY CAUSE A LLERGIC
RESPIRATORY REACTION (ASTHMA).
Explanation of Carcinogenicity:POTASSIUM PEROXYDISULFATE-NOT LISTED BY
ACGIH, IARC, NIOSH, NTP, OR OSHA.
Effects of Overexposure:INGESTION-MAY CAUSE NAUSEA, VOMITING, AND
DIARRHEA, POSSIBLY WITH BLOOD.
Medical Cond Aggravated by Exposure:MAY CAUSE ASTHMATIC ATTACKS DUE TO
ALLERGIC SE
NSITIZATION OF THE RESPIRATORY TRACT.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES, OCCASIONALLY LIFTING
EYELIDS. GET MEDICAL AID IMMEDIATELY. SKIN: GET MEDICAL AID
IMMEDIATELY. FLUSH SKIN WITH SOAP & WATER FOR AT 15 MINS WHILE
REMOVING CONTAMI NATED CLOTHING & SHOES. WASH CLOTHING BEFORE
REUSE. INGESTION: DO NOT INDUCE VOMITING. IF VICTIM IS CONSCIOUS &
ALERT, GIVE 2-4 CUPFULS OF MILK OR WATER. NEVER

GIVE ANYTHING BY

MOUTH TO UNCONSCIOUS PERSON. GET MEDICAL AID IMMEDIATELY.

INHALATION: GET MEDICAL AID IMMEDIATELY. MOVE TO FRESH AIR

IMMEDIATELY. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF

BREATHING IS DIFFICULT, GIVE OXYGEN. DO NOT USE MOUTH-TO-MOUTH
RESPIRATION.

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

Flash Point:NOT AVAILABLE

Autoignition Temp:Autoignition Temp Text:NOT AV

Lower Limits:NOT AVAILABL

Upper Limits:NOT AVAILAB

Extinguis

hing Media:IN CASE OF FIRE, USE WATER, DRY CHEMICAL, CHEMICAL
FOAM, OR ALCOHOL-RESISTANT FOAM. CONTACT PROFESSIONAL FIRE-FIGHTERS
IMMEDIATELY.

Fire Fighting Procedures:AS IN ANY FIRE, WEAR A SELF-CONTAINED
BREATHING APPARATUS IN PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR
EQUIVALENT), AND FULL PROTECTIVE GEAR. STRONG OXIDIZERS. CONTACT
WITH COMBUSTIBLE MATERIALS MAY CAUSE A FIRE. USE WATER WITH
CAUTION & IN FLOODING AMOUNTS.

===== Accidental Release Measures

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Spill Release Procedures:AVOID RUNOFF INTO STORM SEWERS & DITCHES WHICH
LEAD TO WATERWAYS. CLEAN UP SPILLS IMMEDIATELY, OBSERVING
PRECAUTIONS IN THE PROTECTIVE EQUIPMENT SECTION. SWEEP UP, THEN
PLACE INTO A SUITABLE CONTAINER FOR DISPOSAL. AVOID GENERATING
DUSTY CONDITIONS. REMOVE ALL SOURCES OF IGNITION. PROVIDE
VENTILATION.

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

Handling and Storage Precautions:STORAGE: KEEP AWAY FROM HEA

T, SPARKS,

& FLAME. DO NOT STORE NEAR COMBUSTIBLE MATERIALS. STORE IN A COOL,
DRY PLACE. KEEP CONTAINERS TIGHTLY CLOSED.

Other Precautions:HANDLING: WASH THOROUGHLY AFTER HANDLING. REMOVE
CONTAMINATED CLOTHING & WASH BEFORE REUSE. USE WITH ADEQUATE
VENTILATION. MINIMIZE DUST GENERATION & ACCUMULATION. AVOID CONTACT
WITH CLOTHING & OTHER COMBUSTIBLE MATERIALS. DO NOT GET ON SKIN OR
IN EYES. KEEP CONTAINERS TIGHTLY CLOSED.

===== Exposure Controls/Personal Protect

ion =====

Respiratory Protection:WEAR A NIOSH/MSHA OR EUROPEAN STANDARD EN 149
APPROVED FULL-FACEPIECE AIRLINE RESPIRATOR IN THE POSITIVE PRESSURE
MODE WITH EMERGENCY ESCAPE PROVISIONS.

Ventilation:USE ADEQUATE VENTILATION TO KEEP AIRBORNE CONCENTRATIONS
LOW.

Protective Gloves:WEAR APPROPRIATE GLOVES TO PREVENT SKIN EXPOSURE.

Eye Protection:WEAR APPROPRIATE PROTECTIVE EYEGLASSES OR CHEMICAL SAFETY
GOGGLES.

Other Protective Equipment:WEAR A CHEMICAL APRON. WEAR APPROPRIATE
CLOTHING TO PREVENT SKIN CONTACT. FACILITIES STORING OR UTILIZING
THIS MATERIAL SHOULD BE QUIPPED WITH AN EYEWASH FACILITY & A SAFETY
SHOWER.

Work Hygienic Practices:EXERCISE GOOD LABORATORY PRACTICES.WASH HANDS
AFTER USE AND BEFORE EATING.

Supplemental Safety and Health

EYES: WEAR APPROPRIATE PROTECTIVE EYEGLASSES OR CHEMICAL SAFETY GOGGLES
AS DESCRIBED BY OSHA'S EYE & FACE PROTECTION REGULATIONS IN 29 CFR
1910.133 OR EUROPEAN STANDARDS EN166.

===== Physica

/Chemical Properties =====

HCC:D1

Boiling Pt:B.P. Text:NOT AVAILABLE

Melt/Freeze Pt:M.P/F.P Text:DECOMPOSES

Decomp Temp:=100.C, 212.F

Vapor Pres:NOT AVAILABLE

Vapor Density:NOT AVAILA

Spec Gravity:2.477

pH:ACIDIC IN WATER

Viscosity:NOT AVAILABLE

Evaporation Rate & Reference:NOT AVAILABLE

Solubility in Water:SOLUBLE IN WATER.

Appearance and Odor:SOLID. COLORLESS OR WHITE. ODORLESS.

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

Stability Indicator/Materi

als to Avoid: YES

REDUCING AGENTS.

Stability Condition to Avoid: INCOMPATIBLE MATERIALS, IGNITION SOURCES,
DUST GENERATION, COMBUSTIBLE MATERIALS, REDUCING AGENTS.

Hazardous Decomposition Products: OXYGEN, OXIDES OF POTASSIUM, SULFUR
OXIDES (SOX), INCLUDING SILFUR OXIDE & SULFUR DIOXIDE.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information: ORAL RAT LD50= 802 MG/KG. RTECS#: CAS#
7727-21-1: SE0400

000. LD50/LC50: CAS# 7727-21-1: ORAL, RAT:

LD50=802 MG/KG. EPIDEMIOLOGY: NO INFORMATION AVAILABLE.

TERATOGENICITY: NO INFORMATION AVAILABLE. REPRODUCTIVE EFFECTS: NO
INFORMATION AVAILABLE. NEUROTOXICITY: NO INFORMATION AVAILABLE.

MUTAGENICITY: NO INFORMATION AVAILABLE. OTHER STUDIES: SEE ACTUAL
ENTRY IN RTECS FOR COMPLETE INFORMATION.

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

Waste Disposal Methods: CHEMICAL WASTE GENERATORS MUST DETERMINE WHETHER
A DISCARDED CHEMICAL IS CLASSIFIED AS A HAZARDOUS WASTE.
ADDITIONALLY, WASTE GENERATORS MUST CONSULT STATE & LOCAL HAZARDOUS
WASTE REGULATIONS TO ENSURE COMPLETE & ACCURATE CLASSIFICATION.
RCRA P-SERIES: NONE LISTED. RCRA U-SERIES: NONE LISTED.

===== MSDS Transport Information =====

Transport Information: US DOT. SHIPPING NAME: POTASSIUM PERSULFATE.

HAZARD CLASS: 5.1. UN NUMBER: UN1492. PACKING GROUP: III. CANADIAN
TDG. SHIPPING NAME: POTASS

IUM PERSULFATE. HAZARD CLASS: 5.1. UN
NUMBER: UN1492.

===== Regulatory Information =====

SARA Title III Information: SARA: SECTION 302 (RQ)-NONE OF THE CHEMICALS
IN THIS MATERIAL HAVE AN RQ. SECTION 302 (TPQ)-NONE OF THE
CHEMICALS IN THIS MATERIAL HAVE A TPQ. SARA CODES-CAS# 7727-21-1:
ACUTE, FLAMMABLE. SECTION 313- NO CHEMICALS ARE REPORTABLE UNDER
SECTION 313.

Federal Regulatory Information: TSCA: CAS# 7727-21-1 IS LISTED ON THE
TSCA IN

VENTORY. HEALTH & SAFETY REPORTING LIST-NONE OF THE
CHEMICALS ARE ON THE HEALTH & SAFETY REPORTING LIST. CHEMICAL TEST
RULES-NONE OF THE CHEMICALS IN THIS PRODUCT ARE UNDER A CHEMICAL
TEST RULE. SECTION 12B-NONE OF THE CHEMICALS ARE LISTED UNDER TSCA
SECTION 12B. TSCA SIGNIFICANT NEW USE RULE-NONE OF THE CHEMICALS IN
THIS MATERIAL HAVE A SNUR UNDER TSCA . CLEAN AIR ACT: THIS MATERIAL
DOES NOT CONTAIN ANY HAZARDOUS AIR POLLUTANTS. THIS MATERIAL DOES
NOT CONTAIN ANY C

CLASS 1 OZONE DEPLETORS. THIS MATERIAL DOES NOT
CONTAIN ANY CLASS 2 OZONE DEPLETORS.

State Regulatory Information:POTASSIUM PEROXYDISULFATE CAN BE FOUND ON
THE FOLLOWING STATE RIGHT TO KNOW LISTS: NEW JERSEY, FLORIDA,
PENNSYLVANIA, MASSACHUSETTS. CALIFORNIA NO SIGNIFICANT RISK LEVEL:
NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED.

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):

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