

J.T.BAKER CHEMICAL CO. -- POTASSIUM THIOCYANATE -- 6810-00-247-0597

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

Product ID:POTASSIUM THIOCYANATE

MSDS Date:04/14/1990

FSC:6810

NIIN:00-247-0597

MSDS Number: BMQRZ

=== Responsible Party ===

Company Name:J.T.BAKER CHEMICAL CO.

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Info Phone Num:201-859-2151

Emergency Phone Num:201-859

-2151

CAGE:DO870

=== Contractor Identification ===

Company Name:J.T.BAKER CHEMICAL CO.

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Phone:201-859-2151

CAGE:DO870

Company Name:MALLINCKRODT BAKER, INC.

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:800-582-2537

CAGE:70829

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

Ingred Name:POTASSIUM THIOCYANATE

CAS:333-20-0

RTECS #:XL1925000

Fraction by Wt: 9

0-100%

Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:ORAL RAT LD50: 854 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:SKIN CONTACT: SKIN ULCERATION, SKIN DISCOLORATION, ECZEMA.NO HEALTH HAZARD DATA IS IDENTIFIED FOR SKIN ABSORPTION OR INGESTION BY THE MANUFACTURER. NO HEALTH HAZARD DATA IS IDENTIFIED FOR CHR

ONIC EFFE CTS BY THE MANUFACTURER.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:NONE IDENTIFIED BY THE MANUFACTURER.

Medical Cond Aggravated by Exposure:NONE IDENTIFIED BY THE MANUFACTURER.

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

First Aid:EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDIC

AL ATTENTION IMMEDIATELY. SKIN: WASH WITH SOAP AND WATER. GET MEDICAL ADVICE. INHALATION: REMOVE TO FRESH AIR. GIVE G IVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION. INGESTION: IMMEDIATELY INDUCE VOMITING IF CONSCIOUS. GET MEDICAL ATTENTION.

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

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A

FULL FACED SELF CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE.

Unusual Fire/Explosion Hazard:NONE IDENTIFIED BY THE MANUFACTURER.

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

Spill Release Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. WITH CLEAN SHOVEL, CAREFULLY PLACE MATERIAL INTO CLEAN, DRY CONTAINER AND COVER; REMOVE FROM AREA. FLUSH SPILL AREA WITH WATER.

=====  
===== Handling and Stora

ge =====

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED.  
SUITABLE FOR ANY GENERAL CHEMICAL STORAGE AREA.

Other Precautions:NONE

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION  
CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, USE AN  
APPROPRIATE RESPIRATOR OR DUST MASK.

Ventilation:USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP  
FUME OR DUST LEVELS  
AS LOW AS POSSIBLE.

Protective Gloves:NITRILE OR RUBBER GLOVES

Eye Protection:SAFETY GOGGLES.

Other Protective Equipment:EYE WASH AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE  
EATING, DRINKING OR SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE  
REUSE.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE TO THE DUST. DO NOT GET ON SKIN OR  
IN EYES. DO NOT BREATHE VAPORS OR MIST. DO NOT INGEST. READ  
PRECAUTIONS ON LABEL BEFORE USE.

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

HCC:N1

Boiling Pt:B.P. Text:932F,500C

Melt/Freeze Pt:M.P/F.P Text:343F,173C

Spec Gravity:1.89 (WATER=1)

Solubility in Water:APPRECIABLE >10%

Appearance and Odor:WHITE CRYSTALS, ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

NITRIC ACID, STRONG OXIDIZING AGENTS, ACTIVE HALOGEN COMPOUNDS.

Stability Condition to Avoid:NONE DOCUMENTED.

Hazardous Decomposi

tion Products:HYDROGEN CYANIDE, OXIDES OF SULFUR,  
OXIDES OF NITROGEN.

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

Waste Disposal Methods:CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER.  
DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL  
ENVIRONMENTAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United States of America in  
no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.