

TECHNIC INC -- POTASSIUM CYANIDE -- 6810-00-237-2910

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

Product ID:POTASSIUM CYANIDE

MSDS Date:04/11/1989

FSC:6810

NIIN:00-237-2910

MSDS Number: BPYFV

=== Responsible Party ===

Company Name:TECHNIC INC

Address:1 SPECTACLE ST

City:CRANSTON

State:RI

ZIP:02910-1032

Country:US

Info Phone Num:401-781-6100

Emergency Phone Num:401-781-6100(CHEMTREC 800-424-9300)

Preparer's

Name:WILLIAM A. WILSON

CAGE:20816

=== Contractor Identification ===

Company Name:TECHNIC INC

Address:1 SPECTABLE STREET

Box:City:CRANSTON

State:RI

ZIP:02910

Country:US

Phone:401-781-6100

CAGE:20816

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

Ingred Name:POTASSIUM CYANIDE (SARA III)

CAS:151-50-8

RTECS #:TS8750000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (CN)

ACGIH TLV:S, 5 MG/M3 (CN);9293

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

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===== Hazards Identification =====  
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LD50 LC50 Mixture:ORAL LD50 (RAT) IS 5 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:ACUTE: INHALATION OF DUST, MISTS MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, UNCONSCIOUSNESS, AND DEATH. CONTACT WITH SKIN OR EYES MAY CAUSE IRRITATION. ABSORPTION THROUGH SKIN OR EYES MAY CAUSE CNS EFFECTS, UNCONSCIOUSNESS, DEATH. INGESTION:

MAY CAUSE DEATH OR PERMANENT INJURY. CHRONIC: NON-SPECIFIC & RARE.

Explanation of Carcinogenicity:POTASSIUM CYANIDE IS NOT LISTED BY IARC OR NTP; NOT REGULATED BY OSHA AS CARCINOGEN.

Effects of Overexposure:INHALED: WEAKNESS, HEADACHE, DIZZINESS, VOMITING, UNCONSCIOUSNESS, DEATH. EYES/SKIN: "CYANIDE RASH", ITCHING, MACULAR, PAPULAR, AND VESICULAR ERUPTIONS; SECONDARY INFECTIONS; WEAKNESS, DIZZINESS, VOMITING, UNCONSCIOUSNESS, DEATH. INGESTED:CONVULSIONS, LOSS OF CONSCIOUSNESS, STOPPED BREATHING, DEATH.

Medical Condition Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====  
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First Aid:INHALED: REMOVE TO FRESH AIR IMMEDIATELY. IF BREATHING STOPPED, GIVE ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION. EYES: IMMEDIATELY FLUSH WITH LOTS OF WATER, HOLD LIDS OPEN. GET IMMEDIATE MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHES. WASH WITH SOAP AND WATER. IF SYMPTOMS DEVELOP, GET MEDICAL ATTENTION. INGESTED: IF CONSCIOUS, GIVE WATER THEN INDUCE VOMITING. GET MEDICAL ATTENTION.

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===== Fire Fighting Measures =====  
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Flash Point:NONE

Extinguishing Media:FOAM, WATER SPRAY

Fire Fighting Procedures:DO NOT ALLOW RUN-OFF TO GET INTO SEWERS (MAY CONTAIN ACID) OR WATERWAYS. WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:DO NOT USE CARBON DIOXIDE FIRE EXTINGUISHERS.

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

Spill Release Procedures: ISOLATE AND DENY ENTRY. WEAR PROPER PROTECTIVE CLOTHING/EQUIPMENT. COLLECT SPILLED MATERIAL AND PLACE IN A CONTAINER FOR RECLAMATION OR TREATMENT AND DISPOSAL.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: STORE IN A DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP AWAY FROM FEED AND FOODSTUFFS.

Other Precautions: NO EATING OR SMOKING IN AREA OF USE. DO NOT USE NEAR INCOMPATIBLE MATERIALS. USE ONLY CLEAN, DRY UTENSILS IN HANDLING.

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

Respiratory Protection: IF ENGINEERING EQUIPMENT FAILS OR NON-ROUTINE OR EMERGENCY OPERATIONS OCCUR; USE NIOSH/MSHA APPROVED RESPIRATOR OR SUPPLIED AIR RESPIRATOR, OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation: USE LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW PEL.

Protective Gloves: RUBBER

Eye Protection: SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment: IMPERVIOUS CLOTHING TO PREVENT SKIN CONTACT. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices: WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health  
DO NOT WEAR CONTACT LENSES WHEN USING THIS MATERIAL.

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

HCC: T2

Melt/Freeze Pt: M.P/F.P Text: 1175F, 635C

Vapor Pres: 0 MM HG

Spec Gravity: 1.55 (WATER=1)

Evaporation Rate & Reference: N/R (N-BUTYL ACETATE=1)

Solubility in Water: APPRECIABLE

Appearance and Odor: WHITE SALT, ALMOND ODOR

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

Stability Indicator/Materials to Avoid: YES

ACIDS, STRONG OXIDIZING AGENTS, ACID SALTS

Stability Condition to Avoid: CONTACT WITH INCOMPATIBLES. HAZARDOUS IF KEPT IN A CLOSED CONTAINER. HYDR

HYDROGEN CYANIDE MAY ACCUMULATE IN  
CLOSED AREA.

Hazardous Decomposition Products:HYDROGEN CYANIDE, CARBON MONOXIDE

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

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

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