

TECHNIC INC -- SODIUM CYANIDE -- 6810-00-281-2039

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

Product ID:SODIUM CYANIDE  
MSDS Date:08/28/1991  
FSC:6810  
NIIN:00-281-2039  
MSDS Number: BNWJR  
=== 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  
CAGE:20816  
=== Contractor Identificati  
on ===  
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:SODIUM CYANIDE (SARA III)  
CAS:143-33-9  
RTECS #:VZ7525000  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3 (CN)  
ACGIH TLV:S; 5 MG/M3 (CN);9192  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

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

LD50

LC50 Mixture:LD50 (ORAL RAT) IS 6.440 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INHALATION OF DUST WILL CAUSE RESPIRATORY TRACT IRRITATION & MAY BE FATAL. DUSTS WILL IRRITATE, BURN & DAMAGE THE EYES. DUST WILL CAUSE SKIN IRRITATION & RASH. FATAL AMOUNTS CAN BE ABSORBED THROUGH THE SKIN. SWALLOWING CAN CAUSE DEATH. CHRONIC: LOSS OF APPETITE, HEADACHE, WEAKNESS, NAUSEA,

#### DIZZINESS & IRRITATION

Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYE, SKIN & RESPIRATORY TRACT IRRITATION.

PROLONGED OR REPEATED SKIN CONTACT MAY RESULT IN ITCHING RASH CHARACTERIZED BY MACULAR, POPULAR, AND VESICULAR ERUPTIONS USUALLY FOLLOWED BY SECONDARY INFECTION. CAN CAUSE DEATH THROUGH CHEMICAL ASPHYXIA. MAY CAUSE HEADACHE, WEAKNESS, NAUSEA, DIZZINESS AND LOSS OF APPETITE.

Medical C

ond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING DISEASES OF THE CENTRAL NERVOUS SYSTEM MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

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

First Aid:PLAN & PRACTICE ACTIONS TO BE TAKEN IN CASE OF CYANIDE EXPOSURE BEFORE BEGINNING WORK WITH CYANIDES. IMMEDIATELY GIVE VICTIM OXYGEN AND AMYL NITRITE WHILE WAITING FOR INTRAVENOUS INJECTIONS FROM MEDICAL PERSONNEL. INHALATION: RE

MOVE TO FRESH

AIR/CPR. EYE: FLUSH WITH PLENTY OF WATER. SKIN: REMOVE CONTAMINATED CLOTHING & WASH SKIN. INGESTION: GIVE 1% SODIUM THIOSULFATE SOLUTION & INDUCE VOMITING.

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

Extinguishing Media:USE WATER FOG, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. DO NOT! ALLOW RUNOFF INTO SEWERS OR WATERWAYS.

Unusual Fire/Exp

losion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE  
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT & SCBA. SMALL SPILL:  
SWEEP UP AND DISPOSE OF IN DOT-APPROVED WASTE CONTAINERS. LARGE  
SPILL: SHOVEL INTO DOT-APPROVED WASTE CONTAINERS. KEEP OUT OF  
SEWERS, STORM DRAINS, SURFACE WATERS, AND SOIL. KEEP SPILLAGE DRY.

Neutralizing Agent:FLUSH RESIDUE WITH DILUTE SOLUTION  
OF SODIUM  
HYPOCHLORITE OR HYDROGEN PEROXIDE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED  
AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. DO NOT STORE  
NEAR ACIDS, OXIDIZERS, FLAMMABLES OR FOODS.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE DUST. AVOID  
CONTACT WITH EYES, SKIN OR CLOTHING. USE WITH ADEQUATE VENTILATION.  
WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY.

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

Respiratory Protection:IF USE CONDITIONS GENERATE DUSTS, WEAR A NIOSH  
APPROVED RESPIRATOR APPROPRIATE FOR EMISSION LEVELS. RESPIRATORS  
MAY BE A FULL FACEPIECE AIR-PURIFYING CARTRIDGE RESPIRATOR WITH  
PARTICULATE FILTERS, A SCBA, OR SUPPLIED-AIR RESPIRATOR.

Ventilation:LOCAL MECHANICAL EXHAUST VENTILATION CAPABLE OF MINIMIZING  
DUST EMISSIONS AT THE POINT OF USE.

Protective Gloves:RUBBER GLOVES

Eye

Protection:SAFETY CHEM GOGGLES OR FULL-FACE SCBA

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. FIRST  
AID AND MEDICAL TREATMENT SUPPLIES INCLUDING OXYGEN RESUSCITATORS.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR  
FOOTWEAR.

Supplemental Safety and Health

DO NOT WEAR CONTACT LENSES WHEN USING THIS MATERIAL. CONTAINERS, EVEN  
THOSE THAT HAVE BEEN EMPTIED, WILL RETAIN PRODUCT RESIDUE

AND

VAPORS. ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL.

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

HCC:T2

Boiling Pt:B.P. Text:2725F,1496C

Melt/Freeze Pt:M.P/F.P Text:1047F,564C

Spec Gravity:1.6

Solubility in Water:APPRECIABLE

Appearance and Odor:WHITE CRYSTALLINE POWDER OR LUMPS, SLIGHT AMMONIA OR CYANIDE (ALMOND) ODOR (WET

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

Stability Indicator/Material

s to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG MINERAL ACIDS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:POISONOUS HYDROGEN CYANIDE AND AMMONIA GASES.

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. NOTE: EMPTY CONTAINERS CAN HAVE RESIDUES AND ARE SUBJECT TO PROPER WASTE DISPOSAL REQUIREMENTS.

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