

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.

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.