

DU PONT E I DE NEMOURS & CO INC -- SODIUM CYANIDE -- 6810-00-281-6933

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

Product ID:SODIUM CYANIDE

MSDS Date:04/01/1991

FSC:6810

NIIN:00-281-6933

MSDS Number: BKBWX

=== Responsible Party ===

Company Name:DU PONT E I DE NEMOURS & CO INC

Address:1007 MARKET STREET

Box:1635

City:WILMINGTON

State:DE

ZIP:19899

Country:US

Info Phone Num:800-441-7515

Emergency Phone Num:80

0-441-7515

CAGE:18873

=== Contractor Identification ===

Company Name:E.I. DUPONT DE NEMOURS & CO

Address:1007 MARKET STREET

Box:City:WILMINGTON

State:DE

ZIP:19898

Country:US

Phone:800-441-7515;800-441-9442

CAGE:18873

Company Name:SANCHEZ & ASSOCIATES

Address:476 WEST FOGG STREET

Box:1649

City:COLTON (MAY BE OUT OF BUSINESS !)

State:CA

ZIP:92324

Country:US

Phone:714-370-3921/FAX824-0341 ALL WRONG#

CAGE:0HF19

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

Ingred Name:SODIU

M CYANIDE (SARA III)
CAS:143-33-9
RTECS #:VZ7525000
Fraction by Wt: 100%
Other REC Limits:NONE SPECIFIED
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 15 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 WILL CAUSE
RE
SPIRATORY 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 CON
TACT 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 Cond 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: REMOVE 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 OR DRY CHEMICAL AS APPROPRIATE FOR SURROUNDINGS. IT MAY BE BEST TO LET FIRE BURN ITSELF OUT. DO NOT US CO2.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS INCLUDING LARGE AMOUNTS OF POISONOUS, FLAMMABLE HCN.

===== 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, SURFA CE 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 S CBA, OR SUPPLIED-AIR RESPIRATOR.

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

Protective Gloves:BUTYL OR NEOPRENE RUBBER GLOVES

Eye Protection:SAFETY CHEM GOGGLES OR FULL-FACE SCBA

Ot

her 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

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:2725

Melt/Freeze Pt:M.P/F.P Text:1047

Spec Gravity:1.6

pH:11.3

Solubility in Water:37% AT 68F

Appearance and Odor:WHITE SOLID GRANULES OR BRIQUETTES; NO ODOR IF DRY. (SLIGHT HCN/NH3 ODOR WET).

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

Stability Indicator/Materials to Avoid:YES

ALL ACIDS, STRONG OXIDIZING AGENTS, WATER

Stability Condition to Avoid:ACIDIC, HIGH HEAT, OPEN FLAMES AND OTHER

SOURCES OF IGNITION

Hazardous Decomposition Products:POISONOUS HCN 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. WASTE NACN IS AN ACUTE HAZARDOUS WASTE(P106)

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.