

# MATERIAL SAFETY DATA SHEET

LaMOTTE COMPANY  
 PO BOX 329 - CHESTERTOWN - MARYLAND - 21620  
 TELEPHONE # FOR INFORMATION 410-778-3100  
 24 Hour Emergency Number (CHEM-TEL) 800-255-3924

## 1. PRODUCT IDENTIFICATION

**Sodium Cyanide, 10%**

Code Nr. **6565**

## 2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
^ Sodium Cyanide	143-33-9		10	5 mg/cubic m as CN	5 mg/cubic m as CN
Sodium Hydroxide	1310-73-2		0.2	C 2 mg/cubic m	C 2 mg/cubic m

## 3. NON-HAZARDOUS INGREDIENTS EXCEPT WATER (7732-18-5)

NAME	CAS #	%
Water to 100%		

## 4. PHYSICAL DATA

*Appearance:* Clear Colorless Liquid  
*Solubility in Water:* Soluble      *Odor:* slight      *Boiling Point:* >100 deg C      *Melt. Point:* N/A  
*Vapor Pressure:* Unknown      *Vapor Density:* Unknown      *pH:* 12

## 5. FIRE AND EXPLOSION DATA

*Flash Point (method used):* N/A      *Flammable Limit: LEL:* N/A      *UEL:* N/A  
*Extinguishing Media:* Not a fire hazard  
*HMIS Hazard: Health - 3    Flammability - 0    Reactivity - 1    Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least*  
*Special Fire Fighting Procedures:*  
 Firefighters wear SCBA.  
*Unusual Fire & Explosion Hazard:*  
 Contact with acid liberates poisonous hydrogen cyanide gas

## 6. REACTIVITY DATA

*Stability:*      *Conditions to avoid:* Heat  
 *Stable*      *Incompatibility (Materials to avoid):*  
 Acids  
 *Unstable*  
*Hazardous Decomposition Products:* Hydrogen Cyanide Gas

## 7. HEALTH HAZARD DATA

*Toxicity:* orl hmn LDLo: 2.9 mg/kg for solid sodium cyanide  
*Primary Route of Entry:*     *Inhalation*     *Skin*    *Carcinogenicity:*     *None*     *NTP*  
     *Ingestion*     *N/A*      *OSHA*     *IARC*  
*Other Health Related Comments:*  
  
*Target Organs:* Lungs,  
*Signs and symptoms of exposure:*  
 Weakness, dizziness, confusion, headache, unconsciousness, convulsions. May be fatal. Can be absorbed through the skin.  
  
*Medical Condition Aggravated by Exposure:* N/A

## 8. EMERGENCY FIRST AID PROCEDURES

*Eye Contact:* IMMEDIATELY flush with water for 15 minutes. Consult a physician.  
*Ingestion:* IMMEDIATELY induce vomiting and call a doctor. Prompt treatment is essential.  
*Inhalation:*  
 Remove to fresh air. If breathing is difficult give oxygen. Seek prompt medical attention.  
*Skin Contact:*  
 IMMEDIATELY flush with water for 15 minutes. Remove affected clothing and wash skin with soap and water.. Consult physician.

## 9. SPILL AND DISPOSAL PROCEDURES

*Spill and Leak:*  
 Absorb on inert material (kitty litter) or spill pads. Place in clean, dry, plastic pail w/lid & dispose as hazardous waste. OR: Scoop up into beaker. In fume hood, cool the beaker in ice water. Decompose cyanide by adding a strong alkaline  
*Disposal:*  
 (spill cont.) solution of calcium hypochlorite until bubbling ceases and there is a detectable excess of chlorine. Let stand for 24 hours. Flush down drain with excess water. Dispose according to federal, state and local regulations.

## 10. PRECAUTIONARY MEASURES

*In Handling:*     *Gloves*     *Eve Protection*     *N/A*     *Other:* Lab Coat  
*Ventilation*     *Normal*     *Mechanical*     *Respiratory Protection*  
*Work/Hygienic Practices:* Avoid contact with skin and clothing. Wash after handling.

## 11. SPECIAL PRECAUTIONS

Avoid contact with acids as this liberates poisonous cyanide gas.

**DATE:** 2/28/2000      The above information is believed to be correct but does not claim to be all inclusive and should be used only as a guide.

^ This is a toxic chemical subject to reporting requirements of section 313 of FPCRA and 40 CFR 372