

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-111/11104-28-2.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
11104-28-2

**Code:**  
M

**RTECS:**  
TQ1352000

**Code:**  
M

**Name:**  
POLYCHLORINATED BIPHENYL, PCB, AROCLOR 1221, (CL

**Other REC Limits:**  
0.001 MG/CUM NIOSH

**OSHA PEL:**  
N/K

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
N/K

**Code:**  
M

**ACGIHSTEL:**  
N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
N/K

**Ventilation:**  
HOOD

**Protective Gloves:**  
N/K

**Eye Protection:**  
EYE SHIELDS

**Other Protective Equipment:**  
Equipment USE APPROPRIATE OSHA/MSHA APPROVED SAFETY EQUIPMENT .

**Work Hygienic Practices:**  
REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**  
DENSITY >1.2. NOTE TO PHYSICIAN: AN ANTIDOTE IS A SUBSTANCE INTENDED TO COUNTERACT THE EFFECT OF A POISON. IT SHOULD BE ADMINISTERED ONLY BY PHYSICIAN OR TRAINED EMERGENCY PERSONNEL.

## Health Hazards Data

**LD50LC50Mixture:**  
ORAL LD50 (RAT): 3980 MG/KG

**Route Of Entry Inds - Inhalation:**  
NO

**Skin:**  
NO

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
EYES: IRRITATION. INGESTION: GASTRO-INTESTINAL DISTURBANCES. MAY PRODUCE CANCER, CAN CAUSE CHLORACNE, LIVER DAMAGE & DELAYED ADVERSE HEALTH EFFECTS.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
EYES: SEVERE INFLAMMATION, SWELLING OF ADJOINING TISSUES. SKIN: DISCOLORATION OF NAILS, SKIN.

**Medical Cond Aggravated By Exposure:**  
N/K

**First Aid:**  
EYES: FLUSH W/WATER FOR 15-20 MINUTES. SKIN: FLUSH W/WATER FOR 15 MINUTES. IF NO BURNS WASH W/SOAP/WATER. INHALE: REMOVE TO FESH AIR. ADMINISTER OXYGEN/CPR IF NEEDED. CONTINUE LIFE SUPPORT UNTIL FURTH ER MEDICAL HELP. KEEP WARM/QUIET. INGEST: DON'T GIVE LIQUIDS OR INDUCE VOMITING TO AN UNCONSCIOUS PERSON. IF VOMITING OCCURS MAKE SURE AIRWAY ISN'T OBSTRUCTED. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**  
EVACUATE AREA. WEAR APPROPRIATE OSHA REGULATED EQUIPMENT. VENTILATE AREA. ABSORB ON VERMICULITE OR SIMILAR MATERIAL. SWEEP UP & PLACE IN APPROPRIATE CONTAINER. HOLD FOR DISPOSAL. WASH CONTAMINATED SUR FACES TO REMOVE RESIDUES.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
BURN IN A CHEMICAL INCINERATOR EQUIPPED W/AN AFTERBURNER & SCRUBBER. IN ACCORDANCE W/FEDERAL STATE & LOCAL REGULATIONS.

**Handling And Storage Precautions:**  
AVOID CONTACT W/SKIN/EYES/CLOTHING. KEEP TIGHTLY CLOSED IN A COOL/DRY PLACE. STORE W/COMPATIBLE CHEMICALS. THIS PRODUCT IS FOR LABORATORY USE ONLY

**Other Precautions:**  
PERSONS NOT SPECIFICALLY & PROPERLY TRAINED SHOULDN'T HANDLE THIS CHEMICAL OR ITS CONTAINER. PRODUCTS MAY NOT BE USED AS DRUGS/COSMETICS/AGRICULTURAL/PESTICIDAL PRODUCTS/FOOD ADDITIVES OR AS HOUSEHOLD CHEMICALS. DON'T WEAR CONTACTS IN LAB. 2

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
<200C

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K

**Extinguishing Media:**  
CO2, DRY CHEMICAL POWDER OR SPRAY

**Fire Fighting Procedures:**  
N/K

**Unusual Fire/Explosion Hazard:**  
N/K

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
>300C 3

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/K

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
<0.1

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
N/K

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
INSOLUBLE

**Appearance and Odor:**  
LIQUID

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
N/K

**Materials To Avoid:**  
STRONG OXIDIZING AGENTS, ACTIVE METALS (SODIUM)

**Hazardous Decomposition Products:**  
N/K

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/K

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P