

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-846/84632-65-5.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
84632-65-5  
**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
PYRROLOPYRROL (VAPOR PRESSURE 0 MM HG)

**Other REC Limits:**  
NONE RECOMMENDED

**OSHA PEL:**  
NOT ESTABLISHED  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
IN AREAS WHERE TLV MAY BE EXCEEDED OR IF SPRAY MIST PRESENT,USE NIOSH/MSHA RESPIRATORY PROTECTION APPROPRIATE FOR INDICATED COMPONENTS. IN CONFINED AREAS USE NIOSH/MSHA AIR SUPPLIED RESPIRATOR.FOLLOW RESPIRATOR MFR'S DIRECTIONS & OSHA REGS.

**Ventilation:**  
GENERAL DILUTION/LOCAL EXHAUST VENT TO KEEP LEVEL OF HAZARD INGRED

**Protective Gloves:**  
WEAR CHEMICALLY RESISTANT GLOVES

**Eye Protection:**  
SAFETY GLASSES W/SIDE SHIELDS OR GOGGLES

**Other Protective Equipment:**  
Equipment AVOID SKIN CONTACT BY USE OF OTHER PROTECTIVE CLOTHES. SAFETY SHOWER, EYE BATH WASHING FACILITIES SHOULD BE AVAILABLE.

**Work Hygienic Practices:**  
WASH CONTAMINATED CLOTHING BEFORE REUSE. 9

**Supplemental Safety and Health:**  
KEY1:F3. DO NOT ENTER SUCH AREAS WITHOUT FOLLOWING APPROPRIATE PROCEDURES INCLUDING AIR MONITORING, USE OF SUPPLIED AIR IF NECESSARY AND THE PRESENCE OF AN OBSERVER FOR ASSISTANCE. OBSERVE PRECAUTIONA RY LABEL WARNING.

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
N/P

**IARC:**  
N/P

**OSHA:**  
N/P

**Health Hazards Acute And Chronic:**  
INHALATION: NASAL & RESPIRATORY IRRITATION & ACUTE CENTRAL NERVOUS SYSTEM DEPRESSION (HEADACHE, DIZZINESS, STAGGERING, CONFUSION, UNCONSCIOUSNESS, ASPHYXIATION). SKIN: IRRITATION, DEFATTING OR DERMATI TIS. EYE: IRRITATION. INGESTION: GI IRRITATION, NAUSEA, VOMITING AND DIARRHEA. PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE.\*

**Explanation Of Carcinogenicity:**  
N/K 7

**Signs And Symptions Of Overexposure:**  
\* EFFECTS INCLUDE CONCENTRATION DIFFICULTIES, DIMINISHED ACTUAL DEXTERITY & MEMORY LOSS. ANIMAL: LIVER, KIDNEYS, LUNG & SPLEEN EFFECTS. FETOTOXIC EFFECTS.

**Medical Cond Aggravated By Exposure:**  
PRE-EXISTING SKIN, LUNG AND EYE CONDITIONS.

**First Aid:**  
INHALATION: REMOVE TO FRESH AIR FROM EXPOSURE. GIVE ARTIFICIAL RESPIRATION OR CARDIOPULMONARY RESUSCITATION IF REQUIRED. IF BREATHING IS DIFFICULT, GIVE OXYGEN. KEEP WARM & QUIET. GET MED AID. SKIN: W ASH WITH SOAP & WATER. DO NOT USE SOLVENTS. REMOVE CONTAMINATED CLOTHING & WASH BEFORE REUSE. GET MED AID. EYE: FLUSH W/WATER FOR 15 MINS. GET MED AID (PRFFER OPHTHALMOLOGIST). INGESTION: GET MED AID.

**Spill Release Procedures:**  
MAY NEED TO REPORT SPILL (NAT'L RESPONSE CTR 800-424-8802). STATE & LOCAL AGENCIES HAVE REPORTING REQ'MNTS.REMOVE IGNIT SOURCE.WEAR PERSONAL PROTECT EQUIP TO AVOID BREATHING VAPOR,SKIN,EYE CONTACT.USE NON-SPARK TOOL.SMALL:DIKE & ABSORB W/INERT MAT'L.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
WHEN DISPOSING, ENSURE THAT IT IS PACKAGED, STORED, TRANSPORTED, MANAGED IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS. USE NO DISPOSAL METHOD THAT POSES ENVIRONMENTAL/HUMAN HEALTH THREAT, IN CLUDING CONTAMINATE GROUND OR SURFACE WATER.

**Handling And Storage Precautions:**  
KEEP CNTNR CLSD,KEEP FROM HEAT,IGNIT SOURCE.DON'T STORE ABOVE 49C.STORE FLAMM LIQ IN ACCORD W/NFPA CODES & GOVERNMENTL REGS.GROUND/BOND WHEN TRANSFERNG

**Other Precautions:**  
AVOID FREE FALL OF LIQUID. DON'T SMOKE WHERE MAT'L USED/STORED. DON'T APPLY TO HOT SURFACES. EMPTY DRUMS CONTAIN EXPLOSIVE VAPORS. PREVENT PROLONGED CONTACT W/CONTAMINATED CLOTHING. VAPOR HEAVIER THAN AIR, COLLECT IN LOW/CONFINED AREA. \*\*

## Fire and Explosion Hazard Information

**Flash Point Method:**  
SCC

**Flash Point:**

**Flash Point Text:**  
59.0F,15.0C 8

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/K

**Lower Limits:**  
1.

**Upper Limits:**  
N/K

**Extinguishing Media:**  
EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR FOAM)

**Fire Fighting Procedures:**  
WATER SPRAY MAY BE INEFFECTIVE. USE TO COOL (FOG NOZZLES) FIRE EXPOSED CONTAINERS. WEAR NIOSH/MSHA SCBA & PROTECTIVE CLOTHING TO PREVENT CONTACT W/SKIN & EYES.

**Unusual Fire/Explosion Hazard:**  
VAPORS COLLECT IN UNDER VENTED/CONFINED AREA,FORM EXPLOSIVE MIX W/AIR,MAY TRAVEL LONG DISTANCE. FLASHBACK TO HANDLING PT. CLSD CNTNR MAY EXPLODE W/EXTREME HEAT.

## Physical/Chemical Properties

**HCC:**  
F3

**NRC/State LIC No:**  
N/K

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
171 TO 300F

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/K

**Vapor Density:**  
> AIR

**Volatile Org Content %:**

**Spec Gravity:**  
1.00

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/K

**Evaporation Rate & Reference:**  
SLOWER THAN N-BU AC

**Solubility in Water:**  
N/K

**Appearance and Odor:**  
RED LIQUID, SOLVENT ODOR

**Percent Volatiles by Volume:**  
67.88

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
NONE RECOGNIZED

**Materials To Avoid:**  
NONE RECOGNIZED

**Hazardous Decomposition Products:**  
PRODUCTS OF COMBUSTION ARE HAZARDOUS INCLUDING CARBON MONOXIDE AND CARBON DIOXIDE. 10

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NONE RECOGNIZED

## 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

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WARRANTY

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