

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

ACGIH STEL:

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 PRECAUTIONARY LABEL WARNING.

Health Hazards Data

LD50/LC50 Mixture:

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, ASPHYXIA). SKIN: IRRITATION, DEFATTING OR DERMATITIS. EYE: IRRITATION. INGESTION: GI IRRITATION, NAUSEA, VOMITING AND DIARRHEA. PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE.*

Explanation Of Carcinogenicity:

N/K 7

Signs And Symptoms 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: WASH 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 (PREFER 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 TOOLS. 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, INCLUDING 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 TRANSFERRING

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:

N/K

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:

FLAMMABLE LIQUID. CAN EXPLODE IN UNDILUTED/CONFINED AREA, FORM EXPLOSIVE MIX W/AIR, MAY TRAVEL LONG DISTANCE. FLASHBACK TO HANDLING PT. CLESD CNTNR MAY EXPLODE W/EXTREME HEAT.

Physical/Chemical Properties

HCC:

F3

NRC/State Lic No:

N/K

Net Prop WT For Ammo:

N/P

Decomp Temp:

N/P

Decomp Text:

N/K

Vapor Pres:

N/K

Vapor Density:

> AIR

Volatile Org Content %:

N/P

Spec Gravity:

1.00

VOC Pounds/Gallon:

N/P

PH:

N/K

VOC Grams/Liter:

N/P

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

Other Information:

N/P