

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-100/100-52-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
100-52-7
Code:
M

RTECS:
CU4375000
Code:
M

Name:
BENZALDEHYDE

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:
WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A SELF-CONTAINED BREATHING APPARATUS.

Ventilation:
USE LOCAL EXHAUST

Protective Gloves:
IMPERVIOUS

Eye Protection:
CHEMICAL SPLASH GOGGLES.NO CONTACTS!!

Other Protective Equipment:
Equipment PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:
USE REASONABLE CARE IN HANDLING THIS PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health:
NONE

Health Hazards Data

LD50LC50Mixture:
ORAL LD50 (RAT) IS 1300 MG/KG

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
EYES:MAY CAUSE IRRITATION.SKIN:MAY CAUSE IRRITATION.INGEST:MAY CAUSE GI TRACT IRRITATION.INHAL:MAY CAUSE RESPIRATORY IRRITATION AND CNS DEPRESSION.CHRONIC:MAY CAUSE LIVER DAMAGE OR DERMATITIS.

Explanation Of Carcinogenicity:
THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Signs And Symptions Of Overexposure:
INGEST:ABDOMINAL PAIN,ANESTHETIC,NARCOSIS,CONVULSIONS.

Medical Cond Aggravated By Exposure:
PERSONS WITH PRE-EXISTING KIDNEY DAMAGE MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid:
SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:UNLIKELY.GET PROMPT QUA LIFIED MEDICAL ATTENTION.GASTRIC LAVAGEMAY BE PREFERRED TO EMESIS.

Spill Release Procedures:
ELIMINATE SOURCES OF IGNITION.USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.VENTILATE AREA.SOAK UP WITH A NON-COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.

Neutralizing Agent:
NOT APPLICABLE.

Waste Disposal Methods:
DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions:
STORE IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM HEAT,SPARKS,FLAMES AND INCOMPATIBLE MATERIALS.

Other Precautions:
ROTATE STOCK;PERIODICALLY CHECK TO SEE IF THIS PRODUCT HAS BECOME OXIDIZED(YELLOW IS BAD). 2

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:
=62.8C, 145.F

Flash Point Text:

Autoignition Temp:

Autoignition Temp Text:
N/K

Lower Limits:
N/K

Upper Limits:
N/K

Extinguishing Media:
WATER,DRY CHEMICAL,CARBON DIOXIDE,FOAM.

Fire Fighting Procedures:
USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard:
VAPORS ARE HEAVIER THAN AIR,CAN TRAVEL DISTANCES ALONG THE GROUND,AND FLASHBACK AT THE SOURCE.DECOMPOSITION PRODUCTS MAY BE TOXIC.

Physical/Chemical Properties

HCC:
V4

NRC/State LIC No:
NOT RELEVANT

Net Prop WT For Ammo:
3

Boiling Point:
=178.9C, 354.F

B.P. Text:

Melt/Freeze Pt:
=-56.1C, -69.F

M.P/F.P Text:

Decomp Temp:

Decomp Text:
NOT PROVIDED

Vapor Pres:
N/K

Vapor Density:
3.7

Volatile Org Content %:

Spec Gravity:
1.1

VOC Pounds/Gallon:

PH: N/R

VOC Grams/Liter:

Viscosity:
N/K

Evaporation Rate & Reference:
N/K

Solubility in Water:
INSOLUBLE

Appearance and Odor:
LIQUID;CLEAR(YELLOWS UPON AGING);STRONG ALMOND ODOR.

Percent Volatiles by Volume:
100

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HIGH HEAT,SOURCES OF IGNITION.

Materials To Avoid:
PERFORMIC ACID

Hazardous Decomposition Products:
CARBON DIOXIDE,CARBON MONOXIDE.BENZALDEHYDE DECOMPOSES IN AIR TO BENZOIC ACID.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/R

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