

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-900/9002-86-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
9002-86-2

Code:
T

RTECS:
KV0350000

Code:

T

Name:
POLY(VINYL CHLORIDE); (POLYVINYL CHLORIDE RESIN)

Other REC Limits:

N/K

OSHA PEL:

SEE TABLE Z3

Code:

M

OSHA STEL:

N/P

Code:

ACGIH TLV:

0.1 MG/M3 RDUST;9293

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

NIOSH APPROVED FULL-FACE ORGANIC VAPOR CARTRIDGE TO 50X PEL: SCUBA FOR EMERGENCIES.

Ventilation:

LOCAL EXHAUST AND MECHANICAL (GENERAL). OTHER (SPECIFY): EXPLOSION PROOF IN ACCORDANCE WITH NFPA 30 AND THE NEC.

Protective Gloves:

RUBBER OR PVA COATED.

Eye Protection:

ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment:

Equipment ANSI APPROVED EYE WASH AND DELUGE SHOWER (FP N).

Work Hygienic Practices:

NEARBY SOURCE OF RUNNING WATER.

Supplemental Safety and Health:

EFTS OF OVEREXP: SOME DEPOSITS CONTAIN SMALL AMTS OF CRYSTALLINE QUARTZ & ARE THEREFORE FIBROGENIC. POLYVINYL CHLORIDE: CHRONIC INHAL OF PVC DUST HAS BE REPORTED TO CAUSE PULMONARY DMG, BLOOD EFTS & A BNORMAL LIVER FUNCTION. RPTD SKIN CNTCTCAN CAUSE ALLERGIC DERMATITIS. CARBON BLACK: MILDLY TOX BY INGEST, (OTHER INFO)

Health Hazards Data

LD50/LC50 Mixture:

N/P

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

YES

OSHA:

NO

Health Hazards Acute And Chronic:

SOLVS: METHYL KETYL KETONE: MOD TOX BY INGEST & SKIN CNTCT. STRONG EYE IRRITANT. SYSTEMIC EFTS: CONJ, NOSE & LUNG IRRIT. AFFECTS PERIPHERAL NERVOUS SYS & CNS. EXPERIMENTAL TERATOGEN. TETRAHYDROFURAN: MOD TOX BY INGEST. MILDLY TOX BY INHAL. SYSTEMIC EFTS BY INHAL: GENERAL ANESTH. EYE & MUC MEMB IRRIT. NARCOTIC AT HIGH CONC. MAY CAUSE INJURY TO LIVER & KIDNEYS. CYCLOHEXANONE: MOD TOX BY INGEST & INH AL. SKIN & SEV EYE IRRITANT. SYSTEMIC EFTS BY INHAL: CHANGES IN SENSE OF SMELL, CONJ IRRIT, &

Explanation Of Carcinogenicity:

CARBON BLACK: IARC MONOGRAPHS ON THE EVALATION OF CARCINOGENIC RISK OF CHEMICALS TO MAN, VOLUME 65, PAGE 149, 1996: GROUP 2B.

Signs And Symptoms Of Overexposure:

3 HLTH HAZ: ACETONE: MOD TOX BY INGEST, INHAL & SKIN CNTCT. SKIN & SEV EYE IRRIT. SYSTEMIC EFTS BY INHAL: CHANGES TO EEG, CHANGES IN CARBOHYDRATE METABOLISM, NASAL EFTS, CONJ IRRIT, RESP SYS EFTS, NAUSEA & VOMIT, & MUSCLE WEAK. SYSTEMIC EFTS BY INGEST: COMA, KIDNEY DMG, & METABOLIC CHANGES. NARCOTIC AT HIGH CONC. IN INDUSTRY NO INJURIOUS EFTS HAVE BEEN REPORTED OTHER THAN SKIN IRRIT RESULTING FROM IT S DEFATTING ACTION/HCH FROM PRNGD INHAL. REPROD EFTS HAVE BEEN REPORTED IN EXPERIMENTA

Medical Cond Aggravated By Exposure:

N/P

First Aid:

INHALATION: REMOVE TO FRESH AIR AND IF BREATHING IS SPED GIVE CPR; IF BREATHING IS DIFFICULT GIVE OXYGEN. EYE CONTACT: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND CALL A PHYSICIAN. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING AND SHOES. WASH SKIN WITH PLENTY OF SOAP AND WATER FOR AT LEAST 15 MINUTES. IF IRRITATION DEVELOPS, CALL A PHYSICIAN. INGESTION: GIVE 1 OR 2 GLASSES OF WATER OR MILK. DO NOT INDUCE VOMITING. CALL A PHYSICIAN OR POISON CONTROL CENTER FOR ADDITIONAL HELP.

Spill Release Procedures:

VENTILATE AREA, S LEAK IF IT CAN BE DONE WITHOUT RISK. TAKE UP WITH SAND, EARTH OR OTHER ABSORBENT.

Neutralizing Agent:

N/P

Waste Disposal Methods:

DISPOSE OF WASTE IN A LICENSED LANDFILL OR INCINERATE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions:

STORE ACCORDING TO NFPA 30 FOR FLAMMABLE LIQUIDS.

Other Precautions:

SPECIAL HAZARD DESIGNATIONS: HMIS: HEALTH: 2, FLAMMABILITY: 3, REACTIVITY: 0, PROTECTIVE EQUIPMENT: H. NFPA: HEALTH: 2, FLAMMABILITY: 3, REACTIVITY: 1. HAZARD RATING: HEALTH: 0-MINIMAL, FLAMMABILITY: 1-SLIGHT, REACTIVITY: 2-MODERATE, PROTECTIVE EQUIPMENT: 3-SERIOUS, 4-SEVERE.

Fire and Explosion Hazard Information

Flash Point Method:

TOC

Flash Point:

=-15. C, 5. F

Flash Point Text:

Autoignition Temp:

N/P

Lower Limits:

1.8%

Upper Limits:

11.8%

Extinguishing Media:

WATER, FOAM, ABC DRY CHEMICAL, CARBON DIOXIDE.

Fire Fighting Procedures:

USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard:

FLASH POINT AND HIGHLY VOLATILITY. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO SOURCE OF IGNITION. 4

Physical/Chemical Properties

HCC:

Net Prop WT For Ammo:

Boiling Point:

=66.1C, 151. F

B.P. Text:

Melt/Freeze Pt:

N/P

M.P./F.P. Text:

N/A

Decomp Temp:

N/P

Decomp Text:

N/P

Vapor Pres:

145 MMHG @ 20C

Vapor Density:

2.5(AIR=1)

Volatile Org Content %:

0.94+-0.02 (H₂O=1)

0.94+-0.02 (H₂O=1)

Spec Gravity:

0.94+-0.02 (H₂O=1)

0.94+-0.02 (H₂O=1)

VOC Pounds/Liter:

N/P

Viscosity:

N/P

Evaporation Rate & Reference:

N/P

Solubility in Water:

MODERATE

Appearance and Odor:

GRAY LIQUID WITH ETHER-LIKE ODOR.

Percent Volatiles by Volume:

N/P

Corrosion Rate:

N/P

Reactivity:

N/P

Conditions To Avoid Polymerization:

KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME AND OTHER SOURCES OF IGNITION.

Physical/Chemical Properties:

Stability Indicator:

YES

Stability Condition To Avoid:

KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME AND OTHER SOURCES OF IGNITION. ALL HEATING EQUIPMENT SHOULD BE ELECTRICALLY GROUNDED.

Materials To Avoid:

CAUSTICS, AMMONIA, INORGANIC ACIDS, CHLORINATED COMPOUNDS, STRONG OXIDIZERS AND ISOCYANATES.

Hazardous Decomposition Products:

WHEN FORCED TO BURN GIVES OF CARBON MONOXIDE, CARBON DIOXIDE, HYDROGEN CHLORIDE AND SMOKE.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME AND OTHER SOURCES OF IGNITION.

Toxicological Information

Information:

N/P

MSDS/Transport Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information: