

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-140/1406-65-1.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
1406-65-1

Code:
T

RTECS:
FW6420000

Code:
T

Name:
PIGMENTS, BIOLOGICAL, CHLOROPHYLLS. %: PIGMENT CO

Other REC Limits:
N/P

OSHA PEL:
N/P

Code:

OSHA STEL:
N/P

Code:

ACGIH TLV:
N/P

Code:

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
WEAR NIOSH APPRVD RESP DESIGNED TO REMOVE COMBINATION OF PARTICULATES (DUST/SPRAY MIST) & VAP. WHEN BRUSHING, ROLLING/SPREADING; SELECT APPROP NIOSH APPRVD RESP PROT FOR CNDTNS. FOR SPECIFIC CNDTNS, R EFER TO CURRENT "NIOSH POCKET GUIDE TO CHEM HAZS". IN CONFINED/RESTRICTED VENT AREAS USE NIOSH APPRVD AIR-LINE RESPS/HOODS. REFER TO 29 CFR, OSHA (SUPP DATA)

Ventilation:
IMPLEMENT ADMIN & ENGINEERING CONTROLS TO REDUCE EXPOS. PROVIDE SUFFICIENT VENT IN VOL & PATTERN TO KEEP AIR CONTAM CONCS BELOW TLV LIMS. REMOVE (SUPP DATA)

Protective Gloves:
10 IMPERVIOUS GLOVES (FP N).

Eye Protection:
ANSI APPROVED CHEMICAL WORKERS GOGGLES FULL LENGTH FACESHIELD (FP N).

Other Protective Equipment:
Equipment ANSI APPRVD EMERGENCY EYEWASH AND DELUGE SHOWER (FP N). DEPENDENT UPON APPLICATION METH, WEAR RESIST COVERALLS SHOE COVERINGS TO PVNT SKIN CONT. CONSULT 29 CFR 1910.132, 133, 136, 138; (OTHER INFO)

Work Hygienic Practices:
WASH THOROUGHLY AFTER HANDLING BEFORE EATING, SMOKING OR USING TOILET. LAUNDER CONTAMINATED CLOTHING BEFORE USE. DESTROY CONTAMINATED LEATHER ABSORBENT SHOES WHICH CANNOT BE DECONTAMINATED.

Supplemental Safety and Health:
RESP PROT:PARTS 1910.134 & 1915 FOR COATING OPERATIONS; PART 1910.146 CONFINED SPACES; ANSI Z88.2, PRACTICES FOR RESP PROT; 42 CFR, PART 84 PARTICULATE RESPS. VENT:WELDING/FLAME CUTTING DECOMP PRODS; FOLLOW CURRENT, ANSI Z49.1, "SAFETY IN WELDING & CUTTING". REFER TO 29 CFR PARTS 1910 & 1915, FOR COATING (OTHER INFO)

Health Hazards Data

LD50LC50Mixture:
SEE TOXICOLOGICAL INFORMATION.

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
8 VAPOR OR SPRAY MIST OR SPATTERED MATERIAL CAN BE HARMFUL. IRRITATING TO EYES, SKIN & IF INHALED; TO NOSE & THROAT. EXCESSIVE OR PROLONGED INHALATION CAN CAUSE HEADACHE, NAUSEA OR DIZZINESS. REPEATED & PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS IS ASSOCIATED WITH PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE. INTENTIONAL ABUSE, MISUSE OR OTHER MASSIVE EXPOSURE TO SOLVENTS MAY CAUSE MULTIPLE ORGAN DA MAGE &/OR DEATH. TARGET ORGANS:KIDNEYS, LIVER, BLOOD, LUNGS, SKIN, EYES, STOMACH, INTESTI

Explanation Of Carcinogenicity:
N/P

Signs And Symptions Of Overexposure:
OVEREXPOSURE (PROLONGED OR REPEATED USE): CAN AGGRAVATE OR ACCENTUATE ANY OF THESE EFFECTS. SKIN:IRRITANT. SENSITIZATION OR ALLERGIC REACTION, SUCH AS RASH OR HIVES. CAN BE ABSORBED THROUGH SKIN. CAN CAUSE DEFATTING & DRYING. INHALATION:IRRITANT. LUNG INJURY. CENTRAL NERVOUS SYSTEM DAMAGE. CHEMICAL PNEUMONIA. HIGH VAPOR CONCENTRATIONS MAY CAUSE KIDNEY &/OR LIVER DAMAGE. EYES:SEVERE IRRITANT. INGESTION:HARMFUL IF SWALLOWED. ASPIRATION INTO LUNGS CAN DAMAGE LUNGS & CAUSE CHEMICAL PNEUMONIA

Medical Cond Aggravated By Exposure:
KIDNEYS, LIVER, SKIN, EYES, RESPIRATORY, ALLERGIES, LUNGS.

First Aid:
INHALATION: REMOVE TO FRESH AIR. RESTORE NORMAL BREATHING. TREAT SYMPTOMATICALLY. SEE MD. SKIN: WASH THOROUGHLY WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. CONSULT MD IF IRRITATION PERSISTS. EYES : FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES & GET MEDICAL ATTENTION. INGESTION: DRINK ONE OR TWO GLASSES OF WATER TO DILUTE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING. CONSULT MD OR POISON CONTROL CENTER IMMEDIATELY TREAT SYMPTOMATICAL

Spill Release Procedures:
REMOVE ALL SOURCES OF IGNITION. AVOID BREATHING VAPORS. VENTILATE AREA. USE ABSORBENT, INERT CLEANUP MATERIALS. (DO NOT USE SAWDUST.) REMOVE ABSORBENT MATERIAL WITH NON-SPARKING TOOLS. PLACE IN SEPARA TE CONTAINER. KEEP OUT OF SEWERS & WATERWAYS. IF ENTRY IS THREATENED OR OCCURS, NOTIFY LOCAL AUTHORITIES.

Neutralizing Agent:
N/P

Waste Disposal Methods:
EPA WASTE NO: D001. PLACE IN SEPARATE, APPROPRIATE, CLOSED CONTAINER I/A/W ALL APPLICABLE LOCAL, STATE & FEDERAL REGULATIONS. THIS MATERIAL HAS NOT BEEN TESTED BY TOXICITY CHARACTERISTIC LEACHING PROC EDURE (TLCP).

Handling And Storage Precautions:
9 KEEP CONTAINER CLOSED, UPRIGHT WHEN NOT IN USE. STORE IN COOL, DRY, WELL-VENTILATED AREA. AVOID PROLONGED STORAGE TEMPERATURES ABOVE 100F. USE CAUTION WHEN POURING. AVOID BREATHING SANDING DUST. DO NO T WELD OR FLAME CUT ON EMPTY CONTAINER.

Other Precautions:
N/P

Fire and Explosion Hazard Information

Flash Point Method:
SCC

Flash Point:
=39.4C, 103.F

Flash Point Text:

Autoignition Temp:

Autoignition Temp Text:
N/P

Lower Limits:
0.5%

Upper Limits:
13.1%

Extinguishing Media:
FOAM, CO*2, DRY CHEMICAL.

Fire Fighting Procedures:
WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.

Unusual Fire/Explosion Hazard:
FLAMMABILITY - OSHA: COMBUSTIBLE - CLASS II. DOT: FLAMMABLE. LOWEST FLASHING SOLVENT: BUTYL ALCOHOL CLSD CNTNRS MAY EXPLODE WHEN EXPOS TO EXTREME HEAT & PRESS BUILD-UP. MAY PRDCE A FLOATING FIRE HAZ. I SOLATE FROM ELEC EQUIP, SPARKS, HEAT & OPEN FLAME. VAPS MAY SPREAD LONG DISTS, CAUSE FLASH FIRE OR IGNITE EXPLOSIVELY.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:
<177.8C, 352.F

B.P. Text:
212-352F

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/P

Vapor Pres:
SEE INGREDIENTS

Vapor Density:
HVR/AIR

Volatile Org Content %:

Spec Gravity:
1.4 (FP N)

VOC Pounds/Gallon:

PH: N/P

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
SLOWER THAN BUTYL ACETATE 11

Solubility in Water:
NO

Appearance and Odor:
APPEARENT ODOR.

Percent Volatiles by Volume:
49.95

Corrosion Rate:
N/P

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HEAT, OPEN FLAME, ARC OR SPARKS. AMINES UNDER UNCONTROLLED CONDITIONS.

Materials To Avoid:
STRONG OXIDIZERS, ACIDS ALKALIES.

Hazardous Decomposition Products:
BY FIRE, BURNING OR WELDING: CO, CO*2, ALDEHYDES.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
WILL NOT OCCUR UNDER NORMAL CONDITIONS.

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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