

A 174

MSDS Number

BTVMP

National Stock Number

6810-00F036221

Product Name

A 174

Manufacturer

SPECIALTY COATINGS SYSTEMS INC SUB UNION CARBIDE

Product Identification

Product ID:A 174
MSDS Date:05/21/1992
FSC:6810
NIIN:00F036221
MSDS Number: BTVMP

Responsible Party

SPECIALTY COATINGS SYSTEMS INC; SUB UNION CARBIDE
5707 W MINNESOTA ST
INDIANAPOLIS , IN 46241-5000
US

Emergency Phone: 304-744-3487

Info Phone: 304-744-3487

Cage: 0RSM1

Contractor

SPECIALTY COATINGS SYSTEMS INC; SUB UNION CARBIDE
INDIANAPOLIS, IN 46241-5000
US
304-744-3487
Cage: 0RSM1

Ingredients

METHACRYLIC ACID, 3-(TRIMETHOXYSILYL)PROPYL ESTER
CAS: 2530-85-0
RTECS: UC0230000
Fraction By Weight: >98%

METHANOL (METHYL ALCOHOL), COLUMBIAN SPIRITS

CAS: 67-56-1

RTECS: PC1400000

Fraction By Weight:

OSHA PEL260 MG/CUM

ACGIH TLV: 262 MG/CUM (SKIN)

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

SILANE ESTERS

Fraction By Weight:

1041.94 GM/L LESS WATER & EXEMPT

RTECS: 9999999VO

Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INGEST: DEATH. EYES:
IRRITATION/TEMPORARY SUPERFICIAL INJURY OF THE CORNEA. METHANOL:
INGESTION: ACIDOSIS/CEREBRAL EDEMA/BLINDNESS/LIVER/KIDNEY/HEART
MUSCLE INJURIES. EYES: REPEATED OVEREXPOSURE AT LE VELS OF 800-1000
PPM MAY RESULT IN SEVERE DAMAGE. PRODUCT REACTS W/MOISTURE IN THE
STOMACH TO FORM METHANOL.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:NAUSEA/ABDOMINAL
PAIN/VOMITING/HEADACHE/DIZZINESS/SHORTNESS OF
BREATH/WEAKNESS/FATIGUE/LEG CRAMPS/RESTLESSNESS/CONFUSION/DRUNKEN
BEHAVIOR/VISUAL
DISTURBANCES/DROWSINESS/COMA/TINGLING/NUMBNESS/SHOOTING PAINS IN
THE HANDS &
FOREARMS/DEFATTING/DRYNESS/IRRITATION/BLINKING/TEARING/REDNESS/SWEL
LING
Medical Cond Aggravated by Exposure:EXISTING DERMATITIS, LIVER/KIDNEY
DISEASE.

First Aid

First Aid:INGEST: IF CONSCIOUS, GIVE 2 GLASSES OF WATER. INDUCE
VOMITING. IF FEW OUNCES TAKEN: GIVE 3-4 OUNCES OF HARD
LIQUOR/CHILDREN:GIVE LESS LIQUOR, BY WT. SKIN: WASH W/SOAP & WATER.
INHALATION: REMOVE AIR. GIVE CPR/OXYGEN IF NECESSARY. EYES: FLUSH
W/WATER FOR SEVERAL MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.
NOTE TO PHYSICIAN: 4-METHYL PYRAZOLA HAS BEEN SUGGESTED AS AN
ANTIDOTE. (SEE SUPP)

Fire Fighting

Flash Point Method:TCC
Flash Point:225F
Extinguishing Media:LARGE: ALCOHOL-TYPE/ALL PURPOSE TYPE FOAM. SMALL:
CO2/DRY CHEMICAL
Fire Fighting Procedures:USE SELF CONTAINED BREATHING APPARATUS &
PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:HOT ORGANIC CHEMICAL VAPORS/MISTS ARE
SUSCEPTIBLE TO SUDDEN COMBUSTION WHEN MIXED W/AIR. IGNITION MAY
OCCUR AT TEMP BELOW AUTOIGNITION/IGNITION TEMPS.

Accidental Release

Spill Release Procedures:SMALL: SOAK UP W/ABSORBANT MATERIAL. LARGE:
SHOULD BE COLLECTED FOR DISPOSAL. WEAR SUITABLE PROTECTIVE
EQUIPMENT. AVOID CONTACT W/EYE & SKIN. TOXIC TO FISH. AVOID
DISCHARGE TO NATURAL WATERS.

Handling

Handling and Storage Precautions:KEEP CONTAINER CLOSED. USE W/ADEQUATE
VENTILATION. DON'T SWALLOW. AVOID BREATHING MIST. TOXIC TO AQUATIC
LIFE.
Other Precautions:IGNITION MAY OCCUR AT TYPICAL ELEVATED TEMP
ESPECIALLY IN PROCESSES OPERATING UNDER VACUUM IF SUBJECTED TO
SUDDEN INGRESS OF AIR/OUTSIDE PROCESS EQUIPMENT OPERATING UNDER
ELEVATED PRESSURE IF SUDDEN E SCAPE OF VAPORS/MISTS OCCURS.

Exposure Controls

Respiratory Protection:MIST RESPIRATOR, IF MISTING CONDITIONS EXIST.

Ventilation:GENERAL (MECHANICAL) ROOM: SATISFACTORY. SPECIAL LOCAL IS NEEDED WHERE VAPORS CAN BE EXPECTED TO ESCAPE TO THE WORKPLACE
Protective Gloves:POLY-VINYL CHLORINE-COATED
Eye Protection:SAFETY GLASSES
Other Protective Equipment:EYE BATH, SAFETY SHOWER
Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
NOTE TO PHYSICIAN: INTRAVENOUS OF ETHANOL (10 MI PER HOUR) ALLOWS METHANOL TO BE OXIDIZED, REDUCES PRODUCTION OF METABOLITES.
ACIDOSIS: TREAT BY MEANS OF INTRAVENOUS SODIUM BICARBONATE/METHANOL ELIMINATION MAY BE INCREASED BY HEMODIALYSIS.FOLATES MAY BE USED TO ENHANCE THE METABOLISM OF FORMALDEHYDE.

Chemical Properties

Boiling Pt:B.P. Text:491F
Melt/Freeze Pt:M.P/F.P Text:-54F
Vapor Pres:Vapor Density:>1
Spec Gravity:1.045
Evaporation Rate & Reference:(BU AC=1): Solubility in Water:REACTS SLOWLY
Appearance and Odor:TRANSPARENT PALE-COLORED LIQUID W/ETHER ODOR

Stability

Stability Indicator/Materials to Avoid:YES
ALKALIES, METAL SALTS, OXIDIZING AGENTS, WATER, PEROXIDES & OTHER FREE RADICAL INHIBITORS.
Stability Condition to Avoid:HEAT, HIGH TEMPERATURES & OTHER IGNITION SOURCES
Hazardous Decomposition Products:OXIDES OF CARBON/SILICON, CO, CO2
Conditions to Avoid Polymerization:ALKALIES, METAL SALTS, OXIDIZING AGENTS, PEROXIDES & OTHER FREE RADICAL INHIBITORS.

Disposal

Waste Disposal Methods:INCINERATE IN A FURNACE IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.