

## **IMRON POLYURETHANE ENAMEL**

### **MSDS Number**

BXFXK

### **National Stock Number**

8010-00F003588

### **Product Name**

IMRON POLYURETHANE ENAMEL

### **Manufacturer**

DU PONT E I DE NEMOURS AND CO FABRICATED PROD DEPT

### **Product Identification**

Product ID:IMRON POLYURETHANE ENAMEL

MSDS Date:01/01/1994

FSC:8010

NIIN:00F003588

MSDS Number: BXFXK

### **Responsible Party**

DU PONT E I DE NEMOURS & CO FABRICATED PROD DEPT

1007 MARKET ST BRANDYWINE BLDG 3332

WILMINGTON , DE 19898

US

Emergency Phone: 800-441-3637/800-424-9300(CHEMTREC)

Info Phone: 800-441-7515

Cage: 90227

### **Contractor**

DU PONT E I DE NEMOURS & CO FABRICATED PROD DEPT

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Cage: 90227

### **Ingredients**

PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE

CAS: 108-65-6

RTECS: AI8295000

OSHA PELNOT ESTABLISHED.

ACGIH TLV: NOT ESTABLISHED.

SOLVENT NAPHTHA (PETROLEUM) MEDIUM ALIPHATIC

CAS: 64742-88-7

OSHA PEL5 MG/M3 (OIL MIST)

ACGIH TLV: 5 MG/M3 (OIL MIST)

VM & P NAPHTHA

CAS: 64742-89-8

OSHA PEL5 MG/M3 AS OIL MIST  
ACGIH TLV: 5 MG/M3 AS OIL MIST

NICKEL,ANTIMONY,TITANIUM YELLOW PIGMENT  
CAS: 8007-18-9

PIGMENTS

NAPHTHA, LIGHT AROMATIC (SOLVENT NAPHTHA)  
CAS: 64742-95-6  
RTECS: WF3400000

BASIC NICKEL CARBONATE  
CAS: 39430-27-8  
RTECS: QR6260000

N-BUTYL ACETATE (CERCLA)  
CAS: 123-86-4  
RTECS: AF7350000  
OSHA PEL150 PPM  
ACGIH TLV: 150 PPM/200STEL;9495  
EPA Report Quantity: 5000 LBS  
DOT Report Quantity: 5000 LBS

CARBON BLACK  
CAS: 1333-86-4  
RTECS: FF5800000  
OSHA PEL3.5 MG/M3  
ACGIH TLV: 3.5 MG/M3; 9495

CELLULOSE ACETATE BUTYRATE  
CAS: 9004-36-8

CHROME ANTIMONY TITANATE  
CAS: 68186-90-3

ETHYL ACETATE (CERCLA)  
CAS: 141-78-6  
RTECS: AH5425000  
OSHA PEL400 PPM  
ACGIH TLV: 400 PPM; 9495

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

#### IRON OXIDE

CAS: 1309-37-1

RTECS: NO7400000

OSHA PEL10 MG/M3 (FE)

ACGIH TLV: 5MG(FE)/M3FUME,B2;95

#### LEAD CHROMATE

CAS: 18454-12-1

RTECS: OF9800000

#### MOLYBDATE ORANGE/LEAD CHROMATE MOLYBDATE

CAS: 12656-85-8

RTECS: QA4660000

#### METHYL N-AMYL KETONE

CAS: 110-43-0

RTECS: MJ5075000

OSHA PEL100 PPM

ACGIH TLV: 50 PPM; 9495

#### N-BUTYL ALCOHOL (SARA 313) (CERCLA)

CAS: 71-36-3

RTECS: EO1400000

OSHA PEL100 PPM

ACGIH TLV: S, C 50 PPM; 9495

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

#### NICKEL OXIDE

CAS: 1313-99-1

RTECS: QR8400000

OSHA PEL1 MG/M3 AS NI

ACGIH TLV: 1 MG/M3 AS NI

#### PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE

CAS: 108-65-6

RTECS: AI8295000

OSHA PELNOT ESTABLISHED.

ACGIH TLV: NOT ESTABLISHED.

TITANIUM DIOXIDE

CAS: 13463-67-7

RTECS: XR2275000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9495

TOLUENE (SARA 313) (CERCLA)

CAS: 108-88-3

RTECS: XS5250000

OSHA PEL200 PPM; Z-2

ACGIH TLV: S, 50 PPM; 9495

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

XYLENES (O-,M-,P- ISOMERS) (SARA 313) (CERCLA)

CAS: 1330-20-7

RTECS: ZE2100000

OSHA PEL100 PPM

ACGIH TLV: 100 PPM/150STEL;9495

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA 313) (CERCLA)

CAS: 78-93-3

RTECS: EL6475000

OSHA PEL200 PPM

ACGIH TLV: 200 PPM/300STEL;9495

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

ACRYLIC POLYMER

CAS: 25068-63-7

ALUMINUM (SARA 313)

CAS: 7429-90-5

RTECS: BD0330000

OSHA PEL15 MG/M3 DUST

ACGIH TLV: 10 MG/M3 DUST; 9495

## Hazards

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS, BRAIN, LIVER, KIDNEY, LUNG. ACUTE- MAY CAUSE EYE & SKIN IRRITATION & BURNS. CAN BE ABSORBED THROUGH SKIN IN HARMFUL AMOUNTS. HARMFUL IF INGESTED. ASPIRATION HAZARD. INHALATION MAY CAUSE IRRITATION, DIZZINESS, HEADACHE & BRAIN DAMAGE. CHRONIC- MAY CAUSE LIVER, KIDNEYS INJURY, DERMATITIS.  
Explanation of Carcinogenicity:MAY CONTAIN LEAD, NICKEL, CHROMIUM.  
Effects of Overexposure:IRRITATION, BURNS, Watery Eyes, HEADACHE, DIZZINESS, NAUSEA, VOMITING, INCOORDINATION, DRY SKIN, PAIN, DIARRHEA, COUGH, CONFUSION, COMA  
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT, LIVER, KIDNEYS, BRAIN, CNS MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

## First Aid

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK 1-2 GLASSES OF WATER. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW KNEE TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION.

## Fire Fighting

Flash Point Method:CC  
Flash Point:73.0F,22.8C  
Lower Limits:0.9%  
Upper Limits:13.0%  
Extinguishing Media:WATER MIST, CARBON DIOXIDE, SAND, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.  
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

## Accidental Release

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN SPILL. PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND, EARTH/USE PUMP (EXPLOSION PROOF). GROUND ALL HANDLING EQUIPMENTS. PREVENT LIQUID FROM ENTERING SEWERS.  
Neutralizing Agent:NOT RELEVANT

## Handling

Handling and Storage Precautions:STORE IN A COOL PLACE, AWAY FROM IGNITION SOURCES & INCOMPATIBLE MATERIALS. USE GROUND STRAP. KEEP CONTAINER CLOSED WHEN NOT IN USE.  
Other Precautions:WARNING! FLAMMABLE. EMPTY CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PUNCTURE/WELD ON OR NEAR CONTAINER. USE WITH ADEQUATE VENTILATION. DO NOT BREATHE VAPORS. AVOID EYES AND SKIN CONTACT. KEEP OUT OF REACH OF CHILDREN.

## Exposure Controls

Respiratory Protection:NONE REQUIRED IF GOOD VENTILATION IS MAINTAINED. WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR IF TLV EXCEEDED. IN CONFINED AREAS, WEAR A NIOSH APPROVED AIR SUPPLIED RESPIRATOR.  
Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).  
Protective Gloves:RUBBER, NEOPRENE  
Eye Protection:SAFETY GOGGLES/FACE SHIELD  
Other Protective Equipment:PROTECTIVE CLOTHING, SAFETY SHOWER AND EYEWASH FACILITY  
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND

RECOMMENDED PROCEDURES.  
Supplemental Safety and Health

## Chemical Properties

HCC:F4  
NRC/State Lic Num:NOT RELEVANT  
Boiling Pt:B.P. Text:169F - 374F  
Vapor Density:>1  
Spec Gravity:0.984 - 1.341  
Evaporation Rate & Reference:Solubility in Water:MISCIBLE  
Appearance and Odor:LIQUID - SOLVENT ODOR  
Percent Volatiles by Volume:61- 69

## Stability

Stability Indicator/Materials to Avoid:YES  
NONE REASONABLY FORESEEABLE.  
Stability Condition to Avoid:HEAT, SPARKS, FLAMES AND OTHER SOURCES OF  
IGNITION  
Hazardous Decomposition Products:MAY FORM SMOKE, CARBON MONOXIDE,  
CARBON DIOXIDE.

## Disposal

Waste Disposal Methods:DISPOSE IN AN APPROVED INCINERATOR OR CONTRACT  
WITH LICENSED CHEMICAL WASTE DISPOSAL SERVICE. DISPOSE OF IN  
ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

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