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## **IMPERIAL ENAMELS, TIGER ORANGE**

### **MSDS Number**

BXJRD

### **National Stock Number**

8010-00N059718

### **Product Name**

IMPERIAL ENAMELS, TIGER ORANGE

### **Manufacturer**

PACTRA COATINGS INC

### **Product Identification**

Product ID:IMPERIAL ENAMELS, TIGER ORANGE

MSDS Date:07/16/1987

FSC:8010

NIIN:00N059718

MSDS Number: BXJRD

### **Responsible Party**

PACTRA COATINGS INC

420 S 11TH AVE

UPLAND , CA 91788

US

Emergency Phone: 714-946-3871

Info Phone: 714-946-3871

Cage: IO302

### **Contractor**

PACTRA INDUSTRIES

280

UPLAND, CA 91786-6828

US

714-946-3871

Cage: 33777

### **Ingredients**

186 @ 20C

CAS: 67-64-1

RTECS: AL3150000

Fraction By Weight: 25-35%

OSHA PEL1000 PPM

ACGIH TLV: 750 PPM

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

5.1 @ 20C

CAS: 1330-20-7

RTECS: ZE2100000

Fraction By Weight: 5-10%

OSHA PEL100 PPM

ACGIH TLV: 100 PPM

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

15 @ 20C (MFR INVALID CAS

CAS: 8032-32-4

RTECS: OI6180000

Fraction By Weight: 5-10%

OSHA PEL300 PPM

ACGIH TLV: 300 PPM

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC; (HISOL 10

CAS: 64742-95-6

RTECS: WF3400000

Fraction By Weight: 5%

OSHA PEL100 PPM (MFR)

ACGIH TLV: 100 PPM (MFR)

38 @ 20C

CAS: 64742-89-8

Fraction By Weight: 6-16%

OSHA PEL200 PPM (MFR)

ACGIH TLV: 500 PPM (MFR)

Fraction By Weight: 30%

OSHA PELN/K

ACGIH TLV: N/K

PROPANE

CAS: 74-98-6

RTECS: TX2275000

OSHA PEL1000 PPM

ACGIH TLV: ASPHYXIA NT

PROPANE, 2-METHYL-; (ISOBUTANE MIXTURE)

CAS: 75-28-5

RTECS: TZ4300000

OSHA PELN/K

ACGIH TLV: N/K

BUTANE; (N-BUTANE)

CAS: 106-97-8

RTECS: EJ4200000

OSHA PEL800 PPM

ACGIH TLV: 800 PPM

NON-HAZARDOUS INGREDIENTS

Fraction By Weight: 8-17%

OSHA PELN/K

ACGIH TLV: N/K

NEOPRENE, IF SKIN CONTACT IS TO BE AVOIDED.

RTECS: 9999999ZZ

AND FULL LENGTH FACE SHIELD .

RTECS: 9999999ZZ

ANSI APPROVED EYE BATH AND DELUGE SHOWER .

RTECS: 9999999ZZ

## Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE:INHAL:EXCESSIVE INHAL OF VAPS

CAN CAUSE NASAL & RESP IRRIT, DIZZ, WEAK, FATG, NAUS, HDCH, POSS

UNCON & EVEN ASPHY. EYES:CAN CAUSE SEV IRRIT, REDNESS, TEARING,

BLURRED VISION. INGEST:CAN CAUSE GI IRRIT, NAUS, VOMIT, DIARR.

SKIN:CAN CAUSE IRRIT FOR SOME PERSONS. CHRONIC:RPTS HAVE ASSOC RPTD

& (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZS:PRLNGD OCCUP OVEREXP TO SOLVS W/PERM

BRAIN & NERV SYS DMG. SEV OVEREXP IN LAB ANIMALS HAS ALSO CAUSED

LIVER ABNORMALITIES AND DAMAGE TO KIDNEYS, LUNGS AND SPLEEN.

INTENTIONAL MISUSE BY DELIB ERATELY CONCENTRATING AND INHALING THE

CONTENTS MAY BE HARMFUL OR FATAL.

Medical Cond Aggravated by Exposure:CAN CAUSE ALLERGIC RESPIRATORY

AND/OR SKIN REACTION.

## First Aid

First Aid:INHAL:REMOVE TO FRESH AIR. IF BRTHG IS DFCLT, ADMIN OXYG. IF

BRTHG HAS STOPPED, GIVE ARTF RESP & SEEK MED HELP. EYES:FLUSH

W/WATER FOR AT LST 15 MIN WHILE OCCAS HOLDING EYELIDS OPEN. GET MED

ATTN. ING EST:DO NOT INDUCE VOMIT (ASPIR OF MATL INTO LUNGS CAN

CAUSE CHEM PNEUM, WHICH CAN BE FATAL). KEEP WARM, QUIET & GET MED

ATTN/POIS CTL CTR. SKIN:WASH W/SOAP & WATER/VARIOUS HAND CLEANERS,

& (SUPP DATA)

## Fire Fighting

Flash Point:0F,-18C

Lower Limits:1.0%

Extinguishing Media:"ALCOHOL" FOAM, CO\*2, DRY CHEMICAL.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP

WATER SPRAY MAY BE INEFTIVE. WATER MAY BE USED TO COOL CLSD CNTNRS

TO PVNT PRESS BUILD-UP & POSS (SUP DAT)  
Unusual Fire/Explosion Hazard:CLSD CNTNRS MAY EXPLODE &/OR AUTOIGNITE  
WHEN EXPOSED TO EXTREME HEAT. VAPS ARE HVR/AIR & MAY TRAVEL ALONG  
GROUND/MAY BE MOVED BY VENT & IGNITED BY PILOT(SUPDAT)

## Accidental Release

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. VENTILATE  
AREA. ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT, OR  
OTHER ABSORBENT MATERIAL AND TRANSFER TO A CLOSED CONTAINER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:DO NOT STORE IN AREAS ABOVE 120F OR IN  
DIRECT SUNLIGHT, OR NEAR HEAT OR OPEN FLAMES. DO NOT PUNCTURE OR  
INCINERATE.  
Other Precautions:STORE LARGE QUANTITIES IN BUILDINGS PROTECTED FOR  
STORAGE OF NFPA CLASS IC FLAMMABLE LIQUIDS.

## Exposure Controls

Respiratory Protection:FOR CASUAL/OCCAS USE-TO AVOID BRTHG VAPS/SPRAY  
MIST, OPEN WINDOWS & DOORS/USE OTHER MEANS TO ENSURE FRESH AIR  
ENTRY DURING APPLICATN & DRYING. IF YOU EXPER EYE WATERING,  
HDCHS/DIZZ, INCREASE FRESH AIR . WEAR RESP PROT (NIOSH/MSHA (SUPP  
DATA)

Ventilation:PROVIDE SUFFICIENT MECH (GEN) &/OR LOCAL EXHAUST  
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV'S IN INGREDIENTS.

Protective Gloves:WEAR CHEM RESIST GLOVES, SUCH AS(ING 11)

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS(ING 12)

Other Protective Equipment:WHERE SPECIAL OR UNUSUAL CONDITIONS EXIST,  
THE EXPERT ASSISTANCE OF AN INDUSTRIAL HYGIENIST SHOULD BE SOUGHT.  
(ING 13)

Work Hygienic Practices:WASH HANDS BEFORE EATING OR USING WASHROOM. AS  
WITH ALL CHEMICALS, MINIMIZE PERSONAL CONTACT AND BREATHING OF  
VAPORS.

Supplemental Safety and Health

FIRE FIGHT PROC:AUTOIGNIT/EXPLO WHEN EXPOSED TO EXTREME HEAT. IF WATER  
IS USED, FOG NOZZS PREF. EXPLO HAZS:LIGHTS, OTHER FLAMES, SPKS,  
HEATERS, SMKNG, ELEC MOTORS/OTHER IGNIT SOURCES AT LOCATIONS DIST  
FROM MATL HNDLG PT. FIRST AID PROC:WASH CLTHG BEFORE REUSE. RESP  
PROT:TC23 APPRVD/EQUIV)/LEAVE AREA.

## Chemical Properties

Boiling Pt:B.P. Text:>133F,>56C

Melt/Freeze Pt:M.P/F.P Text:1500F,816C

Vapor Pres:SEE INGS

Vapor Density:HVR/AIR

Spec Gravity:Evaporation Rate & Reference:>1 (BUAC=1) SLOWER/ETHER

Solubility in Water:SLIGHT TO MODERATE

Appearance and Odor:TYPICAL SOLVENT PAINT.

Percent Volatiles by Volume:85-90

## Stability

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS AND HEAT.

Stability Condition to Avoid:HEAT, SPARKS, AND OPEN FLAME.

Hazardous Decomposition Products:MAY FORM TOXIC MATERIALS, CARBON  
DIOXIDE/CARBON MONOXIDE, VARIOUS HYDROCARBS, NITROGEN CMPDS, ETC.,  
WHEN BURNED.

## Disposal

Waste Disposal Methods:MATERIAL COLLECTED ON ABSORBENT MATERIAL MAY BE  
DEPOSITED IN A POSTED TOXIC SUBSTANCES LANDFILL IN ACCORDANCE WITH  
LOCAL, STATE AND FEDERAL REGULATIONS.

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