

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

MS DS
SENT TO
SAFETY OFFICER
DATE 8-18-87

SECTION I

MANUFACTURER'S NAME Mita Industrial Co., Ltd.		EMERGENCY TELEPHONE NO. JAPAN 03-272-4111
ADDRESS (Number, Street, City, State, and ZIP Code) 2-28 Tamatsukuri, 1-Chome, Kiyashi-Ku, Osaka, Japan		
CHEMICAL NAME AND SYNONYMS Pigmented thermoplastic polymer and metals.		TRADE NAME AND SYNONYMS Developer for DC-191/DC-312RE and DC-181R and DC-412RE and DC-1824
CHEMICAL FAMILY		FORMULA

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	0.7		BASE METAL	91	0
CATALYST	-		ALLOYS	-	
VEHICLE	8.3		METALLIC COATINGS	-	
SOLVENTS	-		FILLER METAL PLUS COATING OR CORE FLUX	-	
ADDITIVES	-		OTHERS	-	
OTHERS	-				
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
None					

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N.A.	SPECIFIC GRAVITY (H ₂ O=1) Absolute specific Gravity	5.01
VAPOR PRESSURE (mm Hg.)	N.A.	PERCENT VOLATILE BY VOLUME (%)	N.A.
VAPOR DENSITY (AIR=1)	N.A.	EVAPORATION RATE (_____ =1)	N.A.
SOLUBILITY IN WATER	Insoluble		
APPEARANCE AND ODOR	Fine, black powder, practically odorless.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	Higher than 350°C	FLAMMABLE LIMITS	N.A.	LeI	Uel
EXTINGUISHING MEDIA	If product becomes involved in a fire, use CO ₂ .				
SPECIAL FIRE FIGHTING PROCEDURES	Water, foam or dry chemical.				
UNUSUAL FIRE AND EXPLOSION HAZARDS	None in normal storage and use conditions.				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	10mg/m ³ Total dust (Nuisance)
EFFECTS OF OVEREXPOSURE	Neither irritating, corrosive, volatile nor toxic.
EMERGENCY AND FIRST AID PROCEDURES	Normal washing with soap and water.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Sweep up or pick up by vacuum cleaner.
	Dust filter respirator required when TLV exceeded.
WASTE DISPOSAL METHOD	This Developer is insoluble in water. Do not flush to sewer. Route waste Developer for landfill or incineration.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)			Normally not required.
VENTILATION	LOCAL EXHAUST		SPECIAL
	MECHANICAL (General)	Acceptable under normal use conditions.	OTHER
PROTECTIVE GLOVES	Normally not required.	EYE PROTECTION	Normally not required.
OTHER PROTECTIVE EQUIPMENT Gloves and dust filter respirator recommended when handling bulk amounts.			

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Keep containers closed. Store in a cool, dry place Do not store near combustibles or heat sources.
OTHER PRECAUTIONS	Avoid inhalation of dust.