

MATERIAL SAFETY DATA SHEET

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

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

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, Higashi-Ku, Osaka, Japan		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS Toner for DC-191/DC-312RE	
CHEMICAL FAMILY Pigmented thermoplastic polymer	FORMULA DC-1824, and DC-181R and DC-412RE	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	8.0		BASE METAL	-	
CATALYST	-		ALLOYS	-	
VEHICLE	92.0		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	1.17
VAPOR PRESSURE (mm Hg.)	N.A.	PERCENT, VOLATILE BY VOLUME (%)	Gravity	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.	Lel	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 $10\text{mg}/\text{m}^3$ 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 toner is insoluble in water. Do not flush to sewer. Route waste toner for landfill or incineration.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)		
Normally not required.		
VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
Normally not required.		Acceptable under normal use conditions.
PROTECTIVE GLOVES	EYE PROTECTION	
Normally not required	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.