

MATERIAL SAFETY DATA SHEET

MS DS
SENT TO
SAFETY OFFICE

DATE 6-10-87

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

SECTION I

MANUFACTURER'S NAME Toshiba Corporation, Yanagicho Works	EMERGENCY TELEPHONE NO. 714-380-3000
ADDRESS (Number, Street, City, State, and ZIP Code) 70, Yanagi-cho, Saiwai-ku, Kawasaki, 210 Japan	
CHEMICAL NAME AND SYNONYMS See Section II	TRADE NAME AND SYNONYMS D32P
CHEMICAL FAMILY See Section II	FORMULA See Section II

SECTION II - HAZARDOUS INGREDIENTS

XXXXXXXXXXXXXXXXXXXX	%	TLV (Units)	XXXXXXXXXXXXXXXXXXXX	%	TLV (Units)
XXXXXXXX Toner (T30P)	2.9		XXXXXXXX		
XXXXXXXX Iron Oxide	97.1		XXXXXXXX		
XXXXXXXX Iron (powder)			XXXXXXXXXXXXXXXXXXXX		
XXXXXXXX			XXXXXXXXXXXX		
XXXXXXXX			XXXXXXXXXXXX		
XXXXXX			XXXXXXXX		
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H ₂ O=1)	1.1-1.3
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)	N/A	FLAMMABLE LIMITS	Let	Uet
EXTINGUISHING MEDIA	In case of fire, use carbon dioxide			
SPECIAL FIRE FIGHTING PROCEDURES	Water, form of dry chemical			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None in normal storage conditions and use			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

EFFECTS OF OVEREXPOSURE

EMERGENCY AND FIRST AID PROCEDURES No special medical treatment. Eye Contact: Removeable with tears. If unsuccessful, use eye drops. Skin Contact: Normal washing with soap and water. Inhalation: Rinse out one's mouth with water. If unsuccessful, get medical treatment. Ingestion: In case of ingestion of a large quantity, medical treatment is needed.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (Materials to avoid) None

HAZARDOUS DECOMPOSITION PRODUCTS None in normal handling and use.

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 Clean up with a vacuum cleaner

WASTE DISPOSAL METHOD No special precautions needed. Do not try to incinerate a large quantity.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Not needed

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER

Not needed

PROTECTIVE GLOVES	EYE PROTECTION
Not needed	Not needed

OTHER PROTECTIVE EQUIPMENT Not needed

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING None in normal storage conditions and use.

OTHER PRECAUTIONS