

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1287

MATERIAL SAFETY DATA SHEET

LANDA
TONER

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

SECTION I

MANUFACTURER'S NAME SYNFAX MANUFACTURING INC.		EMERGENCY TELEPHONE NO. 201-465-0010
ADDRESS (Number, Street, City, State, and ZIP Code) 441 AVENUE P., NEWARK, N.J. 07105		
CHEMICAL NAME AND SYNONYMS TONER CONCENTRATE		TRADE NAME AND SYNONYMS SAVIN LANDA II TONER
CHEMICAL FAMILY PETROLEUM HYDROCARBON		FORMULA COMPLEX MIXTURE OF PETROLEUM HYDROCARBONS

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	1.7		BASE METAL		
CATALYST			ALLOYS		
VEHICLE	6.8		METALLIC COATINGS		
SOLVENTS	91.5	300	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES					
SOLVENTS				%	TLV (Units)
*A TLV has not been established for this product. The value shown has been recommended by Exxon Corp. Medical Research based on consideration of available toxicological data. Additional data are being obtained to help define a recommended occupational exposure limit more conclusively.				10000ppms	

SECTION III - PHYSICAL DATA

BOILING POINT (°F/L)	175-1010C	SPECIFIC GRAVITY (15.6°C/15.6°C)	0.76
TRIP-POINT (°F)	(318-375°F)	PERCENT VOLATILE BY VOLUME (%)	96.5%
VAPOR PRESSURE (mm Hg.) @25°C	<10	EVAPORATION RATE (_____ -1)	0.1
VAPOR DENSITY (AIR=1)	5.3		
SOLUBILITY IN WATER	Insoluble		
APPEARANCE AND ODOR	Black, low viscosity liquid		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	Minimum 110°F.	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	Foam, dry chemical, CO ₂ , water spray or fog			
SPECIAL FIRE FIGHTING PROCEDURES	Foam-type extinguishers - superior to CO ₂ extinguishers.			
	Avoid Water - it tends to spread hydrocarbon solvent fires.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	Combustible liquid			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

See Section II. Recommended exposure limit is 300 ppm for 8 hour workday.

EFFECTS OF OVEREXPOSURE

Inhalation of high vapor concentrations may have results ranging from dizziness and headaches to unconsciousness. Prolonged or repeated liquid contact with the skin leading to irritation and dermatitis.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: remove from solvent-laden area to fresh air area.

Accidental ingestion: do not induce vomiting; call physician immediately.

Eyes: Flush thoroughly with clean warm water for at least 15 minutes.

If irritation persists, call physician.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (Materials to avoid)

Strong oxidants like: liquid chlorine, concentrated oxygen, sodium- or calcium hypochlorite.

HAZARDOUS DECOMPOSITION PRODUCTS

Fumes, smoke and carbon monoxide, in the case of incomplete combustion.

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

If amount is small (under 1 pint) allow to evaporate - increasing air circulation if possible - and avoid any sparks or open flames. If amount is large, try to contain and sop up into a container which can be closed.

WASTE DISPOSAL METHOD

Large containers of waste must be handled by persons or firms with facilities for disposal; for example, controlled burning.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Not needed

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER

PROTECTIVE GLOVES Not needed EYE PROTECTION Normal Air Conditioning

OTHER PROTECTIVE EQUIPMENT Not needed

SECTION IX - SPECIAL PRECAUTIONS

*PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Keep containers closed when not in use. Do not handle or store near heat, sparks, flame or strong oxidants. Adequate ventilation required.

OTHER PRECAUTIONS

Avoid use in a small closed room or confined area with poor air circulation.