

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

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

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

## SECTION I

MANUFACTURER'S NAME National Laboratories		EMERGENCY TELEPHONE NO. 201-573-5700
ADDRESS (Number, Street, City, State, and ZIP Code) 225 Summit Ave. Montvale, N.J. 07645		
CHEMICAL NAME AND SYNONYMS Titan Plus R10 Liq Residual Insect Killer		TRADE NAME AND SYNONYMS
CHEMICAL FAMILY Bulk Liquid Non-Aerosol Insecticide	FORMULA	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	0		BASE METAL	0	
CATALYST	0		ALLOYS	0	
VEHICLE	0		METALLIC COATINGS	0	
SOLVENTS	0		FILLER METAL PLUS COATING OR CORE FLUX	0	
ADDITIVES	0		OTHERS		
OTHERS	0				

  

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
d-tras Allethrin	<	10%
N-octyl Bicycloheptene Dicarboximide	<	10%
Chlorpyrifos	<	10%

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	.9962
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (____ = 1)	
SOLUBILITY IN WATER	N/A		
APPEARANCE AND ODOR			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) 105°F Tag Closed Cup	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA Water fog or CO <sub>2</sub>			
SPECIAL FIRE FIGHTING PROCEDURES			
UNUSUAL FIRE AND EXPLOSION HAZARDS Do not use or store near heat or open flame			

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	May be harmful if swallowed, inhaled or absorbed through skin. Avoid breathing spray
EFFECTS OF OVEREXPOSURE	mist and provide adequate ventilation of area being treated. Avoid contact with skin, eyes and clothing. In case of contact immediately flush skin and eyes with plenty of water.
EMERGENCY AND FIRST AID PROCEDURES	Wash thoroughly with soap and water after handling. If poisoning occurs, get prompt medical aid. Do not use in commercial food processing or preparation areas. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Cover exposed food.

## SECTION VI - REACTIVITY DATA

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

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Wet Vacuum Up	
WASTE DISPOSAL METHOD	
Flush with plenty of water	

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)			N/A
VENTILATION	LOCAL EXHAUST	SPECIAL	
	MECHANICAL (General)	OTHER	
PROTECTIVE GLOVES		EYE PROTECTION	
Suggested		Suggested	
OTHER PROTECTIVE EQUIPMENT			

**KEEP OUT OF REACH OF CHILDREN**  
**PRECAUTIONARY STATEMENTS**  
 Hazards to Humans & Domestic Animals

## SECTION IX - SPECIAL PRECAUTIONS

### CAUTION

May be harmful if swallowed, inhaled or absorbed through skin. Avoid breathing spray mist and provide adequate ventilation of area being treated. Avoid contact with skin, eyes and clothing. In case of contact immediately flush skin and eyes with plenty of water. Wash thoroughly with soap and water after handling. If poisoning occurs, get prompt medical aid. Do not use in commercial food processing or preparation areas. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Cover exposed food.

Remove pets, birds and cover fish aquariums before spraying. Do not allow children or pets to contact treated surface until spray has dried.

### PHYSICAL HAZARDS

Do not use or store near heat or open flame.

### STORAGE AND DISPOSAL

Storage: Store in a cool dry area away from heat or open flame.

Disposal: Do not reuse empty container. Wrap container and put in trash collection.