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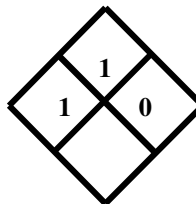
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**Effective Date:** 8/3/10**Material Safety Data Sheet**

MSDS No: 6238

**1. PRODUCT IDENTIFICATION****Trade Name:** TDT 178-62 Accelerator**Chemical Family:** Phthalate Plasticizer

NFPA RATING

<b>Health:</b>	<b>1</b>
<b>Flammability:</b>	<b>1</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	

HMIS RATING

**Intended Use or Product Type:** Polyurethane catalyst**2. COMPOSITION / INFORMATION ON INGREDIENTS**

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				CARCINOGEN STATUS			
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	34364-26-6	Neodecanoic Acid, Bismuth(3+) Salt Common Name: Bismuth catalyst Concentration: 1.00 - 5.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	68515-49-1	1,2- Benzenedicarboxylic Acid, di-C9-11-Branched Alkyl Esters, C10-Rich Common Name: Diisodecyl phthalate Concentration: 95.00 - 100.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR

NE = Not Established NR = Not Reviewed \* = OSHA Hazardous Ingredient

**3. HAZARDS IDENTIFICATION****Emergency Overview:** Can cause skin irritation and eye irritation. May be harmful if swallowed.**Primary Route(s) of Entry:** Dermal; heated product may produce inhalable vapors.**4. FIRST AID MEASURES****Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

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**Skin:** Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes. Seek immediate medical attention.

**Inhalation:** Remove to fresh air. Seek immediate medical attention.

**Eyes:** Immediately flush eyes with water for at least 15 minutes. Seek immediate medical attention.

**Medical Conditions Aggravated by Exposure:** Skin and eye conditions.

**Additional Information:** Referral to a physician is recommended if there is any question about the seriousness of any injury.

## **5. FIRE FIGHTING MEASURES**

<b>Flash Point:</b>	> 200°F (> 93 °C)
<b>Flash Point Method Used:</b>	Estimated
<b>Flammable Limits in Air (Lower - % by volume):</b>	Not established
<b>Flammable Limits in Air (Upper - % by volume):</b>	Not established

**Fire Fighting Extinguishing Media:** Carbon dioxide, dry chemical, foam, water.

**Fire Fighting Equipment:** Use self-contained breathing apparatus.

**Fire and Explosion Hazards:** Decomposition and combustion products may be toxic.

## **6. ACCIDENTAL RELEASE MEASURES**

**Accidental Release Measures:** Remove spillage by absorbing in absorbent material.

## **7. HANDLING AND STORAGE**

**Signal Word:** Caution!

**Precautions:** Use normal industrial hygiene practices. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

**Other Handling Information:** Nuisance dust may be generated when sanding or sawing cured material.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Skin Protection:** Wear impermeable gloves.

**Respiratory Protection:** Use NIOSH approved organic vapor cartridge respirator when vapor/mist exposure is likely.

**Eye Protection:** Wear splash-proof chemical goggles.

**Engineering Controls:** General mechanical and local exhaust in accordance with ACGIH recommendations.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Color:</b>	Light Amber
<b>Odor:</b>	Slight
<b>Physical State:</b>	Liquid
<b>Solubility in Water:</b>	Nil
<b>Viscosity:</b>	Not Evaluated
<b>Specific Gravity:</b>	0.97 (water = 1)
<b>Boiling Point:</b>	~ 255°C (~ 491 °F)
<b>Vapor Density:</b>	< 0.1
<b>VOC:</b>	< 1 For Component
<b>pH:</b>	Not Evaluated
<b>Coefficient of water/oil:</b>	Not Evaluated

**10. STABILITY AND REACTIVITY**

**Conditions to Avoid:** Excessive heat for prolonged periods of time.

**Stability:** Stable.

**Incompatibility:** Strong oxidizers, acids and bases.

**Hazardous Decomposition Products:** Combustion may form toxic materials, such as carbon dioxide, carbon monoxide.

**Hazardous Polymerization:** Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**Acute Oral Effects (LD50):** > 10 g/kg (rat) (for DIDP)

**Acute Dermal Toxicity (LD50):** > 3.16 g/kg (Rabbit) (DIDP)

**Inhalation Toxicity (LC50):** > 0.13 mg/l (rat) (for DIDP)

**Skin Irritation:** May cause skin irritation.

**Eye Irritation:** May cause eye irritation.

**12. ECOLOGICAL INFORMATION****13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Consult qualified local or corporate personnel for method that will comply with local, state and federal health and environmental regulations.

**14. TRANSPORT INFORMATION**

**DOT: Non-Bulk**

**Proper Shipping Name:** Not Regulated

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**IATA: Non-Bulk**  
Proper Shipping Name: Not Regulated

**IMDG: Non-Bulk**  
Proper Shipping Name: Not Regulated

**TDG: Non-Bulk**  
Proper Shipping Name: Not Regulated

## 15. REGULATORY INFORMATION

### US Federal Regulations:

**Occupational Safety and Health Act (OSHA):** This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA hazard Communication Standard 29 CFR 1910.1200. This product is not considered to be a hazardous chemical under that standard.

**Resource Conservation and Recovery Act (RCRA):** Not a hazardous waste under RCRA (40 CFR 261).

**SARA Title III: Section 313 Toxic Chemical List (TCL):** This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).

**TSCA Section 8(b) - Inventory Status:** All chemical components of this product are in compliance with TSCA inventory requirements.

**TSCA Section 12(b) - Export Notification:** This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

### International Regulations:

**Australian Inventory Status:** This product contains only chemicals which are currently listed on the Australian Inventory of Chemical Substances.

**Canadian Inventory Status:** This product contains only chemicals that are currently listed on the Canadian Domestic Substance List.

**Canadian WHMIS:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. D2B

**European Inventory Status (EINECS):** This product contains only chemicals that are currently listed on the European Inventory of Existing Commercial Chemical Substances (EINECS).

**Japanese Inventory Status:** This product contains one or more chemicals currently not on the Japanese Ministry of International Trade and Industry List of Existing and New Chemical Substances.

### State Regulations:

**California Proposition 65:** The following is required composition information. This product contains the following chemical(s) which are currently listed on the California list of Known Carcinogens and Reproductive Toxins:

Chemical Name: 1,2- Benzenedicarboxylic Acid, di-C9-11-Branched Alkyl Esters, C10-Rich  
Common Name: Diisodecyl phthalate  
CAS Number: 68515-49-1

Effective Date: 8/3/10

Percent in Composition: 95 - 100 % by wt

Comment: Warning! This chemical is known to the State of California to cause birth defects or other reproductive harm.

**Pennsylvania Right-to-Know:** The following is required composition information:

Chemical Name: 1,2- Benzenedicarboxylic Acid, di-C9-11-Branched Alkyl Esters, C10-Rich

Common Name: Diisodecyl phthalate

CAS Number: 68515-49-1

Comment: Not on Pennsylvania Hazardous Substance List

**16. OTHER INFORMATION**

<b>MSDS No:</b>	6238
<b>Reason Issued:</b>	8/10 update section 11 -6/10 update
<b>Approved By:</b>	Matt Austin
<b>Title:</b>	EHS Chemist

**Other Information:** FLW / CA2 (F10020032) [F59]

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