



**Material Safety Data Sheet**  
**Name of Product: DI-ISONONYL ADIPATE**

**File Number: 410-744**  
**MSDS Date: 5/1/03**

**Section 1: PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** TRUFLEX DIDA  
**SYNONYMS:** DIDA  
**PRODUCT CODES:** 410-744

**MANUFACTURER:** TEKNOR APEX COMPANY  
**DIVISION:** CHEMICALS  
**ADDRESS:** 505 CENTRAL AVENUE, PAWTUCKET, RO 02861

**EMERGENCY PHONE:** 401-725-8000  
**CHEMTREC PHONE:**  
**OTHER CALLS:** 401-725-8000  
**FAX PHONE:**

**CHEMICAL NAME:** DI-ISODECYL ADIPATE  
**CHEMICAL FAMILY:** ORGANIC ESTER  
**CHEMICAL FORMULA:** C<sub>26</sub>H<sub>50</sub>O<sub>4</sub>  
**CAS NUMBER:** 27178-16-1  
**PRODUCT USE:** PLASTICIZER  
**PREPARED BY:** CHEMICALS BUSINESS GROUP

**SECTION 1 NOTES:**

**Section 2: COMPOSITION / INFORMATION ON INGREDIENTS**

<b>INGREDIENT:</b>	<b>DI-ISODECYL ADIPATE</b>		
<b>CAS NUMBER:</b>	<b>% WT</b>	<b>% VOL</b>	<b>SARA 313 REPORTABLE</b>
27178-16-1	>99	NM	NA
	<b>PPM</b>	<b>MG/M<sup>3</sup></b>	
<b>OSHA PEL-TWA:</b>	NA		
<b>OSHA PEL-STEL:</b>	NA		
<b>OSHA PEL-CEILING:</b>	NA		
<b>ACGIH TLV-TWA:</b>	NA		
<b>ACGIH TLV-STEL:</b>	NA		
<b>ACGIH TLV CEILING:</b>	NA		

**SECTION 2 NOTES:**

**Section 3: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:**

**ROUTES OF ENTRY:**

**EYES:**

**SKIN:**

**INGESTION:**

**INHALATION:**

**ACUTE HEALTH HAZARDS:**

**CHRONIC HEALTH HAZARDS:**

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**



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CARCINOGENICITY  
OSHA: NA  
ACGIH: NA  
NTP: NA  
IARC: NA  
OTHER: NA

SECTION 3 NOTES:

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Section 4: FIRST AID MEASURES

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EYES: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION DEVELOPS SEEK MEDICAL ATTENTION

SKIN: WASH AFFECTED AREA WITH SOAP AND WATER

INGESTION: SEEK MEDICAL ATTENTION

INHALATION: MOVE VICTIM TO FRESH AIR. SEEK MEDICAL ATTENTION

NOTES TO PHYSICIAN OR FIRST AID PROVIDER:

SECTION 4 NOTES:

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Section 5: FIRE-FIGHTING MEASURES:

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FLAMMABLE LIMITS IN AIR UPPER: NM  
(% BY VOLUME) LOWER NM

FLASH POINT:  
°F 375 (PM)  
°C

METHOD USED: NA

AUTOIGNITION TEMPERATURE:  
°F NM  
°C

NFPA HAZARD CLASSIFICATION:

HEALTH: 0 FLAMMABILITY: 1 REACTIVITY: 0  
OTHER:

HMIS HAZARD CLASSIFICATION:

HEALTH: 0 FLAMMABILITY: 1 REACTIVITY: 0  
PROTECTION:

EXTINGUISHING METHOD: DRY CHEMICAL, CO2, FOAM, WATER SPRAY

SPECIAL FIREFIGHTING PROCEDURES: RESPIRATORY AND EYE PROTECTION, PROTECTIVE CLOTHING

UNUSAL FIRE AND EXPLOSION HAZARDS: NONE

HAZARDOUS DECOMPOSITION PRODUCTS: FUMES, SMOKE, CARBON MONOOXIDE, CARBON DIOXIDE

SECTION 5 NOTES: LOW HAZARD, LIQUID CAN BURN UPON HEATING TO ELEVATED TEMPERATURES



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**Section 6: ACCIDENTAL RELEASE MEASURES:**

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ACCIDENTAL RELEASE MEASURES: ABSORB THE MATERIAL WITH INERT ABSORBENT AND DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS

SECTION 6 NOTES:

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**Section 7: HANDLING AND STORAGE:**

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HANDLING AND STORAGE: AVOID BREATHING MIST OR VAPORS, AVOID SKIN AND EYE CONTACT  
NO SPECIAL STORAGE REQUIREMENTS

OTHER PRECAUTIONS:

SECTION 7 NOTES: GROUND CONTAINERS WHEN TRANSFERRING TO AVOID STATIC DISCHARGE

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**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION:**

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ENGINEERING CONTROLS:

VENTILATION:

RESPIRATORY PROTECTION: IF VAPOR OR MIST IS GENERATED WEAR A NIOSH/MSA APPROVED ORGANIC VAPOR/MIST RESPIRATOR

EYE PROTECTION: APPROVED SAFETY GLASSES OR GOGGLES

SKIN PROTECTION: PROTECTIVE CLOTHING TO MINIMIZE CONTACT, GLOVES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NA

WORK HYGIENIC GUIDELINES: FOLLOW STANDARD SAFE INDUSTRIAL CHEMICAL HANDLING PRACTICES

EXPOSURE GUIDELINES: NA

SECTION 8 NOTES:

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**Section 9: PHYSICAL AND CHEMICAL PROPERTIES:**

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APPEARANCE:

ODOR: MINIMAL

PHYSICAL STATE: LIQUID

pH AS SUPPLIED: NA

pH (OTHER): NA

BOILING POINT: °F: °C: 241

MELTING POINT: °F: NM °C:

FREEZING POINT: °F: NM °C:

VAPOR PRESSURE (MM HG): NEGLIGIBLE AT AMBIENT TEMPERATURE

VAPOR DENSITY (AIR=1): NM

SPECIFIC GRAVITY (H2O=1): 0.92

EVAPORATION RATE: NEGLIGIBLE

BASIS (=1)

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**Section 9: PHYSICAL AND CHEMICAL PROPERTIES:**

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SOLUBILITY IN WATER:		NEGLIGIBLE	
PERCENT SOLIDS BY WEIGHT:		NA	
PERCENT VOLATILE:		MN	
BY WEIGHT:	°F:	NM	°C:
BY VOLUME:	°F:	NM	°C:
VOLATILE ORGANIC COMPOUNDS:			
WITH WATER:		LBS/GAL	NM
WITHOUT WATER:		LBS/GAL	NM
MOLECULAR WEIGHT			
VISCOSITY:			@°F @°C:

SECTION 9 NOTES:

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**Section 10: STABILITY AND REACTIVITY:**

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STABLE:	X	UNSTABLE:	
STABILITY:		TEMPERATURES ABOVE THE BOILING	
CONDITIONS TO AVOID (STABILITY):		AVOID CONTACT WITH STRONG OXIDIZERS	
IMCOMPATIBILITY (MATERIALS TO AVOID):		HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	NA
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:		HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR
HAZARDOUS POLYMERIZATION:		CONDITIONS TO AVOID (POLYMERIZATION):	NA
CONDITIONS TO AVOID (POLYMERIZATION):			

SECTION 10 NOTES:

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**Section 11: TOXICOLOGICAL INFORMATION:**

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TOXICOLOGICAL INFORMATION: NA

SECTION 11 NOTES:

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**Section 12: ECOLOGICAL INFORMATION:**

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ECOLOGICAL INFORMATION: NA

SECTION 12 NOTES:

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**Section 13: DISPOSAL CONSIDERATIONS:**

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WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS

RCRA HAZARD CLASS: NA



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**Section 13: DISPOSAL CONSIDERATIONS (CON'T):**

**SECTION 13 NOTES:**

**Section 14: TRANSPORT INFORMATION:**

**US DEPARTMENT OF TRANSPORTATION**

**PROPER SHIPPING NAME:**

**HAZARD CLASS:** NOT REGULATED  
**ID NUMBER:** NA  
**PACKING GROUP:** NA  
**LABEL STATEMENT:** NA

**WATER TRANSPORTATION**

**PROPER SHIPPING NAME:**

**HAZARD CLASS:** NA  
**ID NUMBER:** NA  
**PACKING GROUP:** NA  
**LABEL STATEMENT:** NA

**AIR TRANSPORTATION**

**PROPER SHIPPING NAME:**

**HAZARD CLASS:** NA  
**ID NUMBER:** NA  
**PACKING GROUP:** NA  
**LABEL STATEMENT:** NA

**OTHER AGENCIES:**

**SECTION 14 NOTES:**

**Section 15: REGULATORY INFORMATION:**

**US FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** LISTED ON THE TSCA INVENTORY AT CAS REG NO 27178-16-1

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION AND LIABILITY ACT):** NOT SUBJECT TO SPECIAL REPORTING

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** NOT HAZARDOUS

**311/312 HAZARD CATEGORIES:** NONE

**STATE REGULATIONS:**

**INTERNATIONAL REGULATIONS:**

**SECTION 15 NOTES:**

**Section 16: OTHER INFORMATION:**

**OTHER INFORMATION:**

**PREPARATION INFORMATION:**

**DISCLAIMER:**

