

Revised  
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## MATERIAL SAFETY DATA SHEETS

### PRIMER T

HMIS;	HEALTH	1	FLAMMABILITY	3	REACTIVITY	0
NFPA	HEALTH	1	FIRE HAZARD	3	REACTIVITY	0

#### 1. GENERAL INFORMATION

PRODUCT NAME: PRIMER T  
TECHINICAL NAME:

#### 2. COMPOSITION

INGREDIENT:	CAS#	%
n-Heptane	142-82-5	95-100
Substituted Amidine	99-97-8	1-5

#### 3. CHEMICAL AND PHYSICAL INFORMATION

APPEARANCE:	Clear Liquid
ODOR:	Aliphatic Odor
SPECIFIC GRAVITY:	0.68
BOILING POINT:	205 - 210°F
SOLUBILITY IN WATER:	immiscible
VAPOR DENSITY:	3.45
VAPOR PRESSURE:	35 mm @ 68°F
VOLATILE ORGANIC COMPOUND (EPA Method 24):	99.9% ; 680 grams/liter
EVAPORATION RATE (Ether = 1):	2.7
pH:	Does not apply
APPEARANCE:	Clear liquid

#### 4. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT:	30°F (method used TCC.)
FLAMMABLE LIMITS	LEL = N/A UEL = N/A
EXTINGUISHING MEDIA	Carbon Dioxide, dry chemicals, water
NOTE: SEE SECTION FOR PERSONAL PROTECTION	
Explosive Limits:	
% by volume in air (LOWER)	1.1%
% by volume in air (UPPER)	6.7%
RECOMMENDED EXTINGUISHING AGENTS:	Carbon Dioxide, foam, dry chemicals
SPECIAL FIRE FIGHTING PROCEDURES:	NONE
UNUSUAL FIRE and EXPLOSION HAZARDS	NONE
HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION:	Irritating Organic Vapors
COMPRESSED GASES:	None
PRESSURE AT ROOM TEMPERATURE:	Does Not Apply.

#### 5. SPILL OR LEAK & DISPOSAL DATA:

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:	Maintain good ventilation. Avoid ignition sources. Soak up remainder in an inert absorbent and store in a closed container until disposal.
RECOMMENDED METHOD OF DISPOSAL:	Incinerate following EPA federal, state and local regulations.



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## PRIMER T



### 6. STORAGE AND HANDLING PROCEDURES:

**STORAGE:**

Store below 120°F in a tightly closed container away from oxidizing materials and sources of ignition.

**HANDLING:**

Keep away from open flame. Avoid prolonged breathing of vapors. Avoid skin or eye contact.

### 7. SHIPPING PROCEDURES:

DOT (49 CFR 172)

DOMESTIC GROUND TRANSPORT

PROPER SHIPPING NAME:

Consumer Commodity (not more than One liter);

PRIMARY ROUTES OF ENTRY:

Heptane: Inhalation, ingestion, contact

SIGNS & SYMPTOMS OF EXPOSURE:

Dizziness, anesthesia, unconsciousness.

EXISTING CONDITIONS:

AGGRAVATED BY EXPOSURE:

None known

Exposure Limits (TWA)

ACGIH

OSHA

Other

(TLV)

(PEL)

n-Heptane

400 ppm (TWA)

500 ppm (TWA)

None

1640 mg/M3

1600 mg/M3

Exposure Limits (STEL)

500 ppm

500 ppm

2050 mg/M3

2000 mg/M3

Ingredients for which no Exposure Limits have been established are not listed above.

INGREDIENTS

Literature Referenced  
Target organ & Other Health  
Effects.

NTP

Carcinogen  
IARC Other

N-Heptane  
Substituted Amidine

N

Nervous System  
o Data

NO  
NO

NO  
NO  
NO  
NO

HAZARD CLASS OR DIVISION:

Heptane Solution (More than one liter)  
ORM-D (Not more than one liter;) Class 3, Packing Group II

IDENTIFICATION NO:

None (Not more than one Liter);  
UN 1206 ( More than one liter)

MARINE POLLUTANTS:

None

IATA  
PROPER SHIPPING NAME:

Heptane Solution  
CLASS OR DIVISION:  
Class 3, Packing Group II

UN OR ID NUMBER:

UN 1206

### 8. REACTIVITY DATA:

STABILITY:

Stable

HAZARDOUS POLYMERIZATION:

Will not occur

HAZARDOUS DECOMPOSITION

PRODUCTS (NON-THERMAL):

None

INCOMPATIBILITY:

Strong Oxidizers

### 9. EMERGENCY TREATMENT PROCEDURES:

INGESTION:

Induce vomiting. Obtain medical attention

INHALATION:

Remove to fresh air. If Symptoms persist, obtain medical attention.

SKIN CONTACT:

Wash with soap and water.

EYE CONTACT:

Flush at least 15 minutes with water. Obtain medical attention.



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### 10. PERSONAL PROTECTION:

EYES:  
SKIN:  
VENTILATION:

Safety Glasses or Goggles.  
Rubber or Plastic Gloves  
Adequate to avoid exceeding TLV

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### 11. HEALTH HAZARD DATA:

TOXICITY:

Eye irritant. Anesthetic. Moderately toxic by ingestion.  
Residue after evaporation of solvent destructive to  
tissue of the mucous membranes, and upper respiratory  
tract, eyes and skin

**Engineering Excellence**

For technical information  
and support call **1-800-552-0299** or visit our website at

**[www.instantca.com](http://www.instantca.com)**