

UNOCAL 76  
UNOCAL CHEMICALS DIVISION  
PETROCHEMICALS GROUP

Rec'd 1.

Product Name: THINNER 20026  
Product Code No: 20026

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Issue Date 09/20

MANUFACTURER

UNOCAL CHEMICALS DIVISION  
UNION OIL COMPANY OF CALIFORNIA  
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CONTACT FOR FURTHER INFORMATION:  
MSDS COORDINATOR (312) 619-2644

Transportation Emergencies:  
Call CHEMTREC  
(800) 424-9300 Cont. U  
(202) 483-7616 (Collect)  
from Alaska & Hawaii  
Health Emergencies:  
CALL LOS ANGELES POISON  
INFORMATION CENTER (24 hr)  
(800) 356-3129

PRODUCT IDENTIFICATION

PRODUCT NAME: THINNER 20026  
GENERIC NAME: SOLVENT BLEND  
DOT PROPER SHIPPING NAME: PAINT RELATED MATERIAL  
ID NUMBER: NA1263  
DOT HAZARD CLASSIFICATION: FLAMMABLE LIQUID

SECTION I - HAZARDOUS INGREDIENTS/EXPOSURE LIMITS

HAZARDOUS INGREDIENTS	CAS NUMBER	TLV/PEL	UNITS	AGENCY	TYPE
SPECIAL NAPHTHOLITE 66/3 (VM&P NAPHTHA)	64742-48-9	NONE			
HEPTANE	8030-30-6	300	PPM	ACGIH	TWA
	142-82-5	500	PPM	OSHA	TWA
		400	PPM	ACGIH	TWA
		500	PPM	ACGIH	STEL
n-HEPTANE	142-82-5	500	PPM	OSHA	TWA
		400	PPM	ACGIH	TWA
		500	PPM	ACGIH	STEL
METHYL CYCLOHEXANE	108-87-2	500	PPM	OSHA	TWA
		400	PPM	ACGIH	TWA
		500	PPM	ACGIH	STEL
C7 PARAFFINS	NONE	NONE			
C7 CYCLOPARAFFINS	NONE	NONE			

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SECTION IA - THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO  
THE REPORTING REQUIREMENTS OF SARA 313 AND 40 CFR 372: -

LISTED INGREDIENTS

CAS NUMBER

WEIGHT PERCENT R

NO REGULATED INGREDIENTS.

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SECTION II - EMERGENCY AND FIRST AID PROCEDURES

\*\*\* EMERGENCY \*\*\*

Have physician call LOS ANGELES POISON  
INFORMATION CENTER (24 hrs.) (800) 356-3129  
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EYE CONTACT:

If irritation or redness from exposure to vapors develops, move victim away from exposure and into fresh air. If irritation or redness persists, seek medical attention. For direct contact, hold eyelids apart and flush the affected eye(s) with clean water. Seek medical attention.

SKIN CONTACT:

Remove contaminated clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.

INHALATION (BREATHING):

If respiratory symptoms or other symptoms of exposure develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek immediate medical attention. If victim is not breathing, artificial respiration should be administered. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

INGESTION (SWALLOWING):

ASPIRATION HAZARD: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. If victim is drowsy or unconscious, place on the left side with the head down. If possible, do not leave victim unattended. Seek medical attention.

COMMENTS:

Note to Physicians: Exposure to high concentrations of this material (e.g., in enclosed spaces or with deliberate abuse) may be associated with cardiac arrhythmias. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. Other drugs with less arrhythmogenic potential should be considered. If sympathomimetic drugs are administered, observe for the development of cardiac arrhythmias.

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SECTION III - HEALTH HAZARDS/ROUTES OF ENTRY

EYE CONTACT:

This material may cause eye irritation. Direct contact with the liquid or exposure to vapors or mists may cause stinging, tearing and redness.

SKIN CONTACT:

One or more components of this material may cause skin irritation. Prolonged or repeated contact may cause redness, burning and drying and cracking of the skin and skin damage.

SKIN ABSORPTION:

Contact may result in skin absorption but symptoms of toxicity are not anticipated by this route alone under normal conditions of use. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.

## SECTION III - HEALTH HAZARDS/ROUTES OF ENTRY

## INHALATION (BREATHING):

This material has a low degree of toxicity by inhalation. Breathing high concentrations of vapors or mists may cause:

Irritation of the nose and throat.

Signs of nervous system depression (e.g., drowsiness, dizziness, loss of coordination and fatigue).

Nausea.

Headaches.

Irregular heartbeats (arrhythmias).

Respiratory symptoms associated with pre-existing lung disorders (e.g., asthma-like conditions) may be aggravated by exposure to this material.

## INGESTION (SWALLOWING):

This material has a low degree of toxicity. Ingestion of excessive quantities may cause:

Signs of nervous system depression (e.g., drowsiness, dizziness, loss of coordination, and fatigue).

Irritation of the digestive tract.

ASPIRATION HAZARD - One or more components of this material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

## COMMENTS:

Pre-existing Heart disorders may be aggravated by exposure to this material.

This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA.

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as Solvent or Painters' Syndrome). Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

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**SECTION IV - SPECIAL PROTECTION INFORMATION**

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**VENTILATION:**

If current ventilation practices are not adequate to maintain airborne concentrations below established exposure limits (see Section I), additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used.

**RESPIRATORY PROTECTION:**

The use of respiratory protection is advised when concentrations exceed the established exposure limits. (See Section I). Depending on the airborne concentration, use a respirator or gas mask with appropriate cartridges and cannisters (NIOSH approved, if available) or supplied air equipment.

**PROTECTIVE GLOVES:**

The use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation.

**EYE PROTECTION:**

Approved eye protection to safeguard against potential eye contact, irritation or injury is recommended.

**OTHER PROTECTIVE EQUIPMENT:**

It is suggested that a source of clean water be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.

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**SECTION V - REACTIVITY DATA**

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**STABILITY:**

Stable

**INCOMPATIBILITY (MATERIALS TO AVOID):**

This product forms combustible and/or explosive mixtures with air and/or oxygen.

This product is incompatible with:

- Strong Acids or Bases
- Oxidizing Agents
- Selected Amines

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.

**HAZARDOUS POLYMERIZATION:**

Will Not Occur

SECTION VI - SPILL OR LEAK PROCEDURES

\*\*\* HIGHWAY OR RAILWAY SPILLS \*\*\*  
Call CHEMIREC (800) 424-9300 Cont. U.S.  
(Collect) (202) 483-7616 from Alaska & Hawaii

PRECAUTIONS IN CASE OF RELEASE OR SPILL:

Stay upwind and away from spill. Keep all sources of ignition and hot metal surfaces away from spill. If spill is indoors, ventilate area of spill. A universal type foam can be used to suppress vapors. Keep spill out of drains, sewers or waterways. Use sand or other inert materials to dam and contain spill. Do not flush area with water. For small spills, do not flush with water; use absorbent pads. Call spill response team if large spill. Notify appropriate state/local agencies.

Reportable Quantity NOT APPLICABLE

WASTE DISPOSAL METHOD:

Dispose of product in accordance with local, county, state, and federal regulations.

SECTION VII - STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

Keep containers tightly closed. Keep containers cool, dry, and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition; they may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged and promptly shipped to the supplier or a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Before working on or in tanks which contain or have contained this product, refer to occupational safety and health administration regulations, ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

SECTION VIII - FIRE AND EXPLOSION HAZARD DATA

NFPA HAZARD CLASS	HEALTH HAZARD: FLAMMABILITY: REACTIVITY: OTHER:	HAZARD RANKING		HMIS HAZARD CLASS	HEALTH HAZARD: FLAMMABILITY: REACTIVITY: OTHER:
		0 - LEAST			
		1 - SLIGHT			
		2 - MODERATE			
		3 - HIGH			
		4 - EXTREME			

LOWER - UPPER EXPLOSIVE LIMIT (% VOL.): 0.9 - 7.0 EST. FLASH POINT (Deg. Fahr.): 14

EXTINGUISHING MEDIA:

Extinguish with dry chemical, CO2 or a universal type foam.

FIRE AND EXPLOSION HAZARDS:

Flashback along vapor trail may occur. This material is extremely flammable and may be ignited by heat, sparks, flame or static electricity.

FIRE FIGHTING PROCEDURES:

The use of a SCBA is recommended for fire fighters. Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.

SECTION IX - PHYSICAL DATA

<u>APPROX. BOILING POINT (Deg Fahr)</u>	<u>RELATIVE EVAP. RATE</u> <u>(n-BuOAc - 1)</u>	<u>VAPOR PRESSURE</u>
200 - 300	1.77 (Estimated)	14.8 mm Hg @20
<u>% VOLATILE</u>	<u>% SOLUBILITY IN WATER</u>	<u>VAPOR DENSITY</u>
100.0 (Estimated)	0.1 (Estimated)	3.95
<u>SPECIFIC GRAVITY (60F/60F)</u>	<u>APPEARANCE</u>	<u>ODOR</u>
0.739 (Estimated)	Clear, little if any color	Characteristic

SECTION X - DOCUMENTARY INFORMATION

ISSUE DATE: 09/26/88  
ISSUE # 2

PREV. DATE: 04/27/88  
PREV. # 1

REVIEWED BY:

*[Signature]*

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