

UNOCAL 76, HYDROCARBON SALES, UNION OIL COMPANY OF CALIFORNIA -- 142 SOLVENT 66/3 --
6850-00-110-4498

===== Product Identification =====

Product ID: 142 SOLVENT 66/3

MSDS Date: 12/16/1996

FSC: 6850

NIIN: 00-110-4498

Status Code: A

MSDS Number: CJPBW

=== Responsible Party ===

Company Name: UNOCAL 76, HYDROCARBON SALES, UNION OIL COMPANY OF CALIFORNIA

Address: 1701 GOLF ROAD SUITE 1-1101

City: ROLLING MEAD

OWS

State: IL

ZIP: 60008-4295

Country: US

Info Phone Num: 800-967-7601

Emergency Phone Num: 800-967-7601/800-356-3129

Resp. Party Other MSDS Num.: PRODUCT CODE: 2026

Chemtrec Ind/Phone: (800)424-9300

CAGE: DO722

=== Contractor Identification ===

Company Name: HOC INDUSTRIES, INC

Address: 3511 N. OHIO

Box: 2609

City: WICHITA

State: KS

ZIP: 67219

Country: US

Phone: 316-838-4663

Contract Num: SP0450-99-MH95

CAGE: 0A9L8

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Composition/Information on Ingredients
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Ingred Name:STODDARD SOLVENT
CAS:8052-41-3
RTECS #:WJ8925000
OSHA PEL:2900 MG/M3;500 PPM
ACGIH TLV:525 MG/M3;100 PPM

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Hazards Identification
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Health Hazards Acute and Chronic:TARGET ORGANS: INADEQUATE EVIDENCE
AVAILABLE FOR THIS MATERIAL. POTENTIAL HEALTH EFFECTS: EYE CONTA
CT:
CONTACT MAY CAUSE MILD EYE IRRITATION INCLUDING STINGING, WATERING,
AND REDNESS. SKIN CONTACT: CO NTA CT MAY CAUSE MILD SKIN IRRITATION
INCLUDING REDNESS, BURNING, AND DRYING AND CRACKING OF THE SKIN. NO
HARMFUL EFFECTS FROM SKIN ABSORPTION HAVE BEEN REPORTED. INHALATION
(BREATHING): EXPECTED TO HA VE A LOW DEGREE OF TOXICITY BY
INHALAITON. INGESTION (SWALLOWING): NO HARMFUL EFFECTS REPORTED.
ASPIRATION HAZARD - THIS MATERIAL CAN ENTER LUNGS DURING SWALLOWING
O
R VOMITING AND CAUSE LUNG INFLAMMAT ION AND DAMAGE.
Explanation of Carcinogenicity:NO DATA AVAILABLE.
Effects of Overexposure:EFFECTS OF OVEREXPOSURE MAY INCLUDE IRRITATION
OF THE NOSE AND THROAT, IRRITATION OF THE DIGESTIVE TRACT AND SIGNS
OF NERVOUS SYSTEM DEPRESSION (E.G. HEADACHE, DROWSINESS, DIZZINESS,
LOSS OF COORDINAT ION, AND FATIGUE).
Medical Cond Aggravated by Exposure:CONDITIONS AGGRAVATED BY EXPOSURE
MAY INCLUDE SKIN DISORDERS AND RESPIRATORY (ASTHMA-LIKE) DISORDERS.

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First Aid Measures
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First Aid:EYE: FLUSH EYES WITH CLEAN WATER. IF SYMPTOMS PERSIST, SEEK
MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED SHOES AND CLOTHING AND
CLEANS AFFECTED AREA(S) THOROUGHLY BY WASHING WITH MILD SOAP AND
WATER. IF IRRITATION OR REDNESS DEVELOPS AND PERSISTS, SEEK
MEDICAL ATTENTION . INHALATION: MOVE VICTIM AWAY FROM SOURCE OF
EXPOSURE AND INTO FRESH AIR. IF SYMPTOMS PERSIST, SEEK MEDICAL
ATTENTION. IF

VICTIM IS NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULTIES DEVELOP, PROVIDE OXYGEN. INGESTION: DO NOT INDUCE VOMITING. IF VICTIM IS DROWSY/UNCONSCIOUS, PLACE ON THE LEFT SIDE WITH THE HEAD DOWN. SEEK MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:=63.3C, 146.F

Autoignition Temp:=226.7C, 440.F

Lower Limits:1.0

Upper Limits:7.0

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM OR WATER SPRAY

IS RECOMMENDED. WATER OR FOAM MAY CAUSE FROTHING OF MATERIALS HEATED ABOVE 212F. CARBON DIOXIDE CAN DISPLACE OXYGEN.

Fire Fighting Procedures:USE CAUTION WHEN APPLYING CARBON DIOXIDE IN CONFINED SPACES. EMERGENCY RESPONDERS IN THE DANGER AREA SHOULD WEAR BUNKER GEAR & SELF-CONTAINED BREATHING APPARATUS FOR FIRES BEYOND INCIPIENT STAGE (29CF R 1910.156).

Unusual Fire/Explosion Hazard:MATL IS COMBUSTIBLE & CAN BE IGNITED BY HEAT, SPARKS, FLAMES,SOURCES OF IGNITI

ON(STATIC ELECTRICITY, PILOT

LIGHTS, OR MECH/ELEC EQUIP). MAY CREATE VAPOR/AIR EXPLOSION HAZARD IF HEATED. VAPORS ARE HEAVIER THAN AIR & CAN ACCUMULATE IN LOW AREAS. IF CONTAINER IS NOT PROPERLY COOLED, IT CAN RUPTURE IN THE HEAT OF A FIRE.

===== Accidental Release Measures =====

Spill Release Procedures:KEEP ALL IGNITION SOURCES AWAY. USE EXPLOSION-PROOF EQUIPMENT. STAY UPWIND. STOP SPILL IF IT CAN BE DONE. WEAR PROTECTIVE EQUIPMENT. PREVEN

T SPILLED MATERIAL FROM

ENTERING SEWERS, STORM DRAINS, NATURAL WATERWAYS. DIKE FAR AHEAD OF SPILL. SPILLED MATERIAL MAY BE ABSORBED INTO AN APPROPRIATE ABSORBENT MATERIAL. IF SPILL OF ANY AMOUNT IS MADE INTO OR UPON NAVIGABLE WATERS, NOTIFY NRS 800-424-8802.

===== Handling and Storage =====

Handling and Storage Precautions:OPEN CONTAINER SLOWLY TO RELIEVE ANY PRESSURE. BOND AND GROUND ALL EQUIPMENT WHEN TRANSFERRING FROM ONE VESSEL TO

ANOTHER. CAN ACCUMULATE STATIC CHARGE. KEEP CONTAINER(S)
TIGHTLY CLOSED. USE AND STORE IN COOL, DRY, WELL-VENTILATED AREAS
AWAY FROM ALL IGNITION SOURCES AND INCOMPATIBLE MATERIALS.

Other Precautions:OUTDOOR STORAGE IS PREFERRED. EMPTY CONTAINERS RETAIN
RESIDUE (LIQUID AND/OR VAPOR) AND MAY BE DANGEROUS. DO NOT
PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL OR EXPOSE SUCH
CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION.
THEY MAY EXPLODE AND CAUSE INJURY OR
DEATH. POST AREA "NO SMOKING
OR OPEN FLAME."

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:A NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR
WITH AN ORGANIC VAPOR CARTRIDGE MAY BE USED UNDER CONDITIONS WHERE
AIRBORNE CONCENTRATIONS ARE EXPECTED TO EXCEED EXPOSURE LIMITS.
PROTECTION PROVIDED BY AIR PURIFYING RESPIRATORS IS LIMITED (SEE
MANUFACTURER'S RESPIRATOR SELECTION GUIDE).

Ventilation:IF VENTILATION PRACTICES ARE NOT ADEQUATE
TO MAINTAIN

AIRBORNE CONCENTRATIONS BELOW ESTABLISHED EXPOSURE LIMITS,
ADDITIONAL VENTILATION/ EXHAUST SYSTEMS REQUIRED

Protective Gloves:GLOVES IMPERMEABLE TO SPECIFIC MATERIAL HANDLED IS
ADVISED.

Eye Protection:APPROVED EYE PROTECTION TO SAFEGUARD AGAINST POTENTIAL
EYE CONTACT.

Other Protective Equipment:A SOURCE OF CLEAN WATER SHOULD BE AVAILABLE
IN THE WORK AREA FOR FLUSHING EYES AND SKIN. IMPERVIOUS CLOTHING
SHOULD BE WORN AS NEEDED.

Work Hygienic Practices:USE POSITIVE

PRESSURE AIR SUPPLIED RESPIRATOR

IF POTENTIAL FOR AN UNCONTROLLED RELEASE, EXPOSURE LEVELS NOT
KNOWN, OR CIRCUMSTANCES WHERE AIR PURIFYING RESPIRATORS MAY NOT
PROVIDE ADEQUATE PROTECTION.

Supplemental Safety and Health

PRODUCT CODE: 2026. VENTILATION: WHERE EXPLOSIVE MIXTURES MAY BE
PRESENT, ELECTRICAL SYSTEMS SAFE FOR SUCH LOCATIONS MUST BE USED
(SEE APPROPRIATE ELECTRICAL CODES).

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===== Physical/Chemical Properties =====

HCC:V4

Boiling Pt:="

187.8C, 370.F
B.P. Text:370-405F
Melt/Freeze Pt:M.P/F.P Text:NO DATA
Vapor Pres:(MMHG):2
Vapor Density:5.10(AIR=1)
Spec Gravity:0.79 (60F/60F)
VOC Pounds/Gallon:793
Viscosity:1.79CST

Evaporation Rate & Reference:(NBUAC=1): 0.08
Solubility in Water:NEGLIGIBLE
Appearance and Odor:LIQUID. WATER WHITE ODOR: CHARACTERISTIC
HYDROCARBON.
Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
AVOID CONTACT WITH STRONG OXIDIZING AGENTS AND REDUCING AGENTS.
Stability Condition to Avoid:AVOID ALL POSSIBLE SOURCES OF IGNITION.
Hazardous Decomposition Products:COMBUSTION CAN YIELD CARBON DIOXIDE
AND CARBON MONOXIDE.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:NO DEFINITIVE INFORMATION AVAILABLE.

===== Disposal Considerations =====

Waste Disposal Methods:THIS MATERIAL, IF DISCARDED AS PRODUCED, IS NOT A RCRA "LISTED" OR "CHARACTERISTIC" HAZARDOUS WASTE. USE WHICH RESULTS IN CHEMICAL OR PHYSICAL CHANGE OR CONTAMINATION MAY SUBJECT IT TO HZARDOUS WASTE REGULATIONS. PROPERLY CHARACTERIZE ALL WASTE MATERIALS AND CONSULT STATE AND LOCAL REGULATIONS REGARDING DISPOSAL OF THIS MATERIAL.

===== MSDS Transport Information =====

Transport Information:DOT PROPER SHIPPING NAME / TECHNICAL NAME:
PETROLEUM DISTILLATE

TES, N.O.S. (NAPHTHA SOLVENT) HAZARD CLASS OR
DIVISION: COMBUSTIBLE LIQUID ID# UN1268, PACKING GROUP: III, PER
MSDS.

===== Regulatory Information =====

SARA Title III Information:SECTION 313: NONE. EPA (CERCLA) REPORTABLE
QUANTITY: NONE.

State Regulatory Information:THIS PRODUCT CONTAINS THE FOLLOWING
CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH
DEFECTS OR OTHER REPRODUCTIVE HARM: NONE KNOWN.

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ith this information by the compiling agencies):

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