

TEXACO INC -- 01970 CRATER 2X FLUID -- 9150-01-086-1987

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

Product ID:01970 CRATER 2X FLUID

MSDS Date:09/17/1991

FSC:9150

NIIN:01-086-1987

MSDS Number: BWLFN

=== Responsible Party ===

Company Name:TEXACO INC

Address:1111 RUSK (FMLY:POB4427,HOUSTON,TX)

Box:52332

City:HOUSTON

State:TX

ZIP:77052

Country:US

Info Phone Num:713-650-4000/914-838-7509

Emergency Phone Num:7

13-650-4000

Preparer's Name:MANAGER, PRODUCT SAFETY

CAGE:3B431

=== Contractor Identification ===

Company Name:TEXACO INC CORPORATE HQ

Address:2000 WESTCHESTER AVE

City:WHITE PLAINS

State:NY

ZIP:10604

Country:US

Phone:914-253-4000

CAGE:59595

Company Name:TEXACO PIPELINE INC (SUB OF TEXACO INC)

Address:9700 RICHMOND AVE

Box:42286

City:HOUSTON

State:TX

ZIP:77242-2286

Country:US

Phone:713-953-4260

CAGE:3B431

Company Name:WILKINS DIST CO INC

Address:W BAY ST

Box:City:PORT ORCHARD

State:WA

ZIP:98366

C

country:US
CAGE:2K545

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Composition/Information on Ingredients
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Ingred Name:ASPHALT (PETROLEUM)
CAS:8052-42-4
RTECS #:CI9900000
Fraction by Wt: 50-64.9%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:5 MG/M3; (FUME);9394

Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)
CAS:71-55-6
RTECS #:KJ2975000
Fraction by Wt: 20-34.9%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:350 PPM
ACGIH TLV:350 PPM/450STEL;9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS
Ozone Dep
Releasing Chemical:1

Ingred Name:PINE TAR
CAS:8011-48-1
RTECS #:WW7530000
Fraction by Wt: 4-10.99%
Other REC Limits:NONE RECOMMENDED

Ingred Name:REFINED HYDROTREATED (SEVERE), HEAVY NAPHTHENIC PETROLEUM
DISTILLATE
CAS:64742-52-5
RTECS #:PY8035001
Fraction by Wt: 1-3.99%
Other REC Limits:NONE RECOMMENDED

Ingred Name:VOLATILE ORGANIC CONTENT AS LISTED ON MSDS.
RTECS #:9999999VC
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:LD50, ORAL, RAT >5G/KG, PRACT NON-TOXIC

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE:EYES:IRRIT,MILD

DISCOMFORT.SKIN/INGEST:NO ADVERSE EFFECTS EXPECTED FROM SKIN
ABSORPTION.BRIEF CONTACT-IRRIT.PROLONGED CONTACT-MAY CAUSE MORE
SEVE IRRIT,DISCOMFORT.INGEST SEVERAL MOUTHFULS ABDOMI NAL
DISCOMFORT,NAU,DIARR.INHAL:VAP/MISTNOSE/THORAT
IRRIT.UNCONSC/ASPHY

XIATION FROM POORLY VENTI/CONFINED
(SUPPLEMENTAL)

Explanation of Carcinogenicity:PER MSDS:CARCINOGENIC:NONE.HOWEVER
HEAT/CALCINING(350-1800F)/ETC RELEASE PAH/COAL TAR PITCH
VOLATILES-CARCIN PER IARC.

Effects of Overexposure:EYES:REDNESS. SKIN:LOCAL REDNESS, SWELLING.
INHAL:NOSE/THROAT IRRIT, HEADACHE, NAUSEA, VOMITING, DIZZINESS,
DROWSINESS, EUPHORIA, LOSS OR COORDINATION, DISORIENTATION.
INGEST:ABDOMINAL DISCOMFORT, NAU SEA, DIARRHEA. CHRONIC:MILD
LIVER/KIDNEY DAMAGE

. PERSISTENT IRRIT, DERMATITIS.

Medical Cond Aggravated by Exposure:REPEATED OVEREXPOSURE MAY AGGRAVATE
EXISTING LIVER OR KIDNEY DISEASE. BECAUSE OF DEFATTING PROPERITES
PROLONGED/REPEATED SKIN CONTACT MAY AGGRAVATE AN EXISTING
DERMATITIS (SKIN CONDITION).

===== First Aid Measures =====

First Aid:EYES:IMMED FLUSH W/PLENTY OF WATER @LEAST 15MINS OPENING
EYELIDS.SKIN:WASH W/PLENTY OF SOAP & WATER FOR SEVERAL
MINS.INGEST:IF INGEST GREATER
THAN SEVERAL MOUTHFULS GIVE 2 GLASSES
OF WATER(16OZ).INHAL :MOVE TO FRESH AIR.NOT BREATH GIVE ART
RESP;DIFFI BREATH GIVE OXY BY QUAL PERSONNEL.IN ALL CASES GET MED
ATTN.NOTE TO DR:SEVERE INHAL OVEREXPO MAY SENSITIZE HEART TO
CATECHOLAMINE-INDUCE (SUPPLEMENTA)

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

Extinguishing Media:PER NFPA GUIDE USE WATER SPRAY, DRY CHEMICAL, FOAM,
CARBON DIOXIDE.

Fire Fighting Procedures:WATER/FOAM MAY CAUSE FROTHIHNG.USE W

ATER TO

COOL FIRE-EXPO CNTNRS.LEAK/SPILL IGN USE WATERSPRAY TO DISPERSE VAP
& PROT PERSONS ATTEMPTING TO STOP LEAK.

Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:VENTILATE AREA.AVOID BREATH VAP.USE SCBA OR
SUPPLIED AIR FOR LG SPILLS/CONFINED AREAS.CONTAIN SPILL IF
POSSIBLE.WIPE UP/ABSORB ON SUITABLE MATL & SHOVEL UP.PREVENT ENTRY
INTO SEWERS/WATERWAYS.AVOID CONTACT W/SKIN/EYE/CLOTH.

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

Handling and Storage Precautions:MIN FEASIBLE HANDLING TEMP SHOULD BE
MAINTAINED.PER OF EXPO TO HI TEMP SHOULD BE MIN.AVOID WATER
CONTAMIN.DO NOT STORE IN AL CNTN.READ/UNDERSTAND MSDS

Other Precautions:HARMFUL IF INHALED.TEXACO RECOMMENDES ALL PROD EXPO
BE MIN BY STRICTLY ADHERING TO RECOMMENDED OCCUPA CNTRLS PROCEDURES
TO AVOID ANY POT ADVERSE HEALTH EFFECTS.EMPTY CNTNRS CAN BE HAZ IF
USED TO STORE TOXIC/FLAM/REACTIVE MATL.KEEP CNTRN CLD

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

Respiratory Protection:AIRBORNE CONCEN SHOULD BE KEPT TO LOWEST LEVELS
POSSIBLE.IF VAP/MIST/DUST IS GENERATED USE RESP APPROVED BY
MSHA/NIOSH AS APPROPRIATE.SUPPLIED AIR RESP PROT SHOULD BE USED
FOR CLEANING LG SPILLS/ENTRY INTO TKS/VESSEL/CONFINED SPACES.

Ventilation:ADEQUATE TO MEET COMPONENT OCCUPATIONAL EXPO LIMITS.

Protective Gloves:NONE SPECIFIED HOWEVER RECOMMENDED.

Eye Protection:CHEM-TYP GOGGLES OR FACE SHIELDS.

Other Protective Equipment:WORKERS WASH EXPO SKIN SEVERAL TIMES DAILY
W/SOAP/WATER.

Work Hygienic Practices:DRYCLEAN(MORE EFFECTIVE)/LAUNDER CONTAMIN
CLOTH.INFORM DRYCLEAN WORKERS OF POT HAZ ASSOC W/MATL.WASH HANDS
AFT HANDLING.

Supplemental Safety and Health

HEALTH HAZ:SPACES.CHRONIC:SEVERE OVEREXPO TO 1,1,1-TRICHLOROETHANE HAS
BEEN ASSOC W/MILD LIVER/KIDNEY DAMAGE.REPEATED SKIN CONTACT
PERSISTENT IRRIT/DERM. 1ST AID:ARRHYTHMIES.DO NOT GIVE

CATECHOLAMINES.

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

HCC:V6

Vapor Pres:APPROX 100

Spec Gravity:1.066 (H2O=1)

Viscosity:221.5CST @50C

Solubility in Water:NEGLIGIBLE

Appearance and Odor:BLACK LIQUID WITH SOLVENT ODOR.

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

Stability Indicator/Materials to Avoid:YES

REACTS VIOLENTLY W/STRONG OXIDIZERS.

Stability Condition to Avoid:NONE SPECIFIED BY MFG.

Hazardous Decomposition Products:TOX LEVELS OF

CARBON MONOXIDE,CARBON

DIOXIDE,IRRIT ALDEHYDES & KETONES & COMBUST PROD/CMPDS OF
CHLORINE,NITROGEN,SULFUR.

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

Waste Disposal Methods:DISCARDED IN PRESENT FORM WOULD HAVE RCRA HAZ
WASTE #:F002.UNDER RCRA RESPONSIBILITY OF USER OF PROD TO DETERMINE
@DISPOSAL TIME WHETHER MEETS RCRA CRITERIA FOR HAZ WASTE BECAUSE
USES/TRANSF/MIXTURES/ ETC MAY CHANGE CLASSIFICATION.READ/UNDERSTAND
MSDS

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