

TRANS-TEC SERVICES INC -- INTERMEDIATE FUEL 30-500CST(NO.6 FUEL OIL & SLURRY OIL COMB) -- 9140-00-247-4354

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

Product ID:INTERMEDIATE FUEL 30-500CST(NO.6 FUEL OIL & SLURRY OIL COMB)

MSDS Date:04/10/1990

FSC:9140

NIIN:00-247-4354

MSDS Number: BTWPM

=== Responsible Party ===

Company Name:TRANS-TEC SERVICES INC

Address:150 E 55TH STREET

City:NEW YORK

State:NY

ZIP:100

22-4580

Country:US

Info Phone Num:212-593-4242

Emergency Phone Num:800-424-9300(CHEMTREC) ROAD SPILLS

CAGE:0F366

=== Contractor Identification ===

Company Name:TRANS-TEC SERVICES

CAGE:0NVX1

Company Name:TRANS-TEC SERVICES INC

Address:150 E 55TH STREET

Box:City:NEW YORK

State:NY

ZIP:10022-4580

Country:US

Phone:703-836-1495 (VA)

CAGE:0F366

===== Composition/Information on Ingredients =====

Ingred Name:AROMATICS HYDROCARBONS, 4-6 MEMBERED CONDENSED RING.

Fraction by Wt: 5 OR >5

%

Other REC Limits:NONE RECOMMENDED

Ingred Name:HYDROGEN SULFIDE (SARA III)

CAS:7783-06-4

RTECS #:MX1225000

Fraction by Wt: N/GIVEN

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 20 PPM; Z-2

ACGIH TLV:10 PPM/15 STEL; 9394

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:HYDROCARBON, COMPLEX BLEND DERIVED FROM VARIOUS REFINERY STREAMS USUALLY RESIDUES.

Fraction by Wt: N/GIVEN

Other REC Limits:NONE RECOMMENDED

Ingred Name:SLURRY OIL IN COMBINATION W/NO. 6 FUEL OIL, DEPENDING ON VISCOS

ITY & SULFUR CONTENT REQMTS.

Fraction by Wt: 3-50%

Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:THERMAL BURNS AT RISK. EYE/SKIN IRRIT, HIGH PRESSURE SKIN INJECTIONS INJURY. NASAL/RESP TRACT IRRIT, CNS EFFECTS. ANEMIA, IRREG HEART RHYTHM, RESP ARREST, SUDDEN DEATH. HARMFUL/FATAL I

F INGESTED. ASPIRATION MAY OCCUR CAUSING CHEM

PNEUMONITIS OR PULM EDEMA/HEMORRHAGE. GI & CNS DISTURBANCES.MATL MAY PRODUCE H2S.

Explanation of Carcinogenicity:PER MSDS IARC ID RESIDUAL OILS AS POSS

HUMAN SKIN CANCER HAZ & NTP/IARC CONSIDER POLYNUCLEAR AROMATIC CMPDS CARCINOGENS.

Effects of Overexposure:THERMAL BURNS.EYE:REDNESS,TEARING,BLURRED

VISION,CONJ.SKIN:CRACKING,REDNESS,ITCHING,INFLAMM,DERM,2ND

INFECTION.SKIN INJECT:SWOLLEN,DISCOLORED,VERY

PAINFUL.INHAL:EXCITA

TION,EUPHORIA,CONTRACTED EYE PUPILS,

LS,DIZZ,DROWSINESS,BLURRED VISION,FATIGUE,NAU,HEAD,COMA,LOSS OR

REFLEXES,TREMORS,CONVUL,SEIZURES.INGEST:VOMIT,DIARR,NAUS

Medical Cond Aggravated by Exposure:PRE-EXISTING EYE,SKIN,HEART & RESP

DISORDERS MAY BE AGGRAVATED BY EXPOUSRE TO PRODUCT.SKIN CONTACT MAY

AGGRAVATE EXISTING DERM.INDIVIDUALS W/CHRONIC PULM DISEASE MORE

SERIOUSLY IMPAIRED & COMPLICATE.

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

First Aid:EYE:FLUS

H W/LG AMTS OF WATER FOR @ LEAST 15MIN OPENING

EYELIDS.GET MED ATTN IF RED/PAIN.SKIN:THERMAL BURNS IMMED CALL

DR.WASH WELL W/SOAP & WATER.REMOVE CONTAMIN CLOTH.GET MED ATTN FOR

HI PRESSURE INJ ECT & IRRIT/SYMP.INHAL:REMOVE TO FRESH AIR.DIFF

BREATH GIVE OXY.NOT BREATH GIVE ART RESP/CPR.INGEST:DO NOT INDUCE

VOMIT.GIVE VEGETABLE OIL OR CHARCOAL SLURRY.IF VOMIT LEAN

FORWARD.ALL CASES CALL DR.

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

Flash Point:>

140F,>60C

Autoignition Temp:Autoignition Temp Text:>600F

Lower Limits:0.6

Upper Limits:7.0

Extinguishing Media:DRY CHEMICAL, HALON, CARBON DIOXIDE ARE THE PREFERRED EXTINGUISHING MEDIA.FOAM & WATER ARE EFEFFECTIVE BUT CAUSE FROTHING

Fire Fighting Procedures:COOL FIRE-EXPOSED CNTNRS/STRUCTURE/PROTECT PEOPLE W/WATER.USE WATER SPRAY TO DISPERSE VAP FROM SPILL & FLUSH AWAY FROM IGN SOURCES.LIQ >200F FROTHING CAN OCCUR.

Unusual Fire/Explosion Hazard:HEATED MATL RELEASES FLAMM VAP.AVOID

WATER STREAMS.VAP/GAS CAN TRAVEL & FLASHBACK & ACCUMULATE IN LOW AREAS.CNTNRS MAY EXPLODE IN HEAT.IRRT/TOXIC SUB FROM DECOM

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

Spill Release Procedures:USE CONTINGENCY PLAN.STAY UPWIND.WEAR PPE.KEEP AWAY IGN SOURCES/HOT SURFACES.STOP LEAK W/O RISK.CONTAIN/PREVENT SPILL ENTERING SEWER/ETC(UNABLE CALL NAT RESP CTR 800-424-8802).RECOVER MATL BY VACUUMIN G.DISPERSE VAP W/WTR SPRAY.ABSORB W/PROPER ABSORBE

Neut
ralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CNTNRS IN COOL,DRY,ISOLATED WELL-VENTI AREA.USE NON-SPARKING TOOLS/EXPLOSION-PROOF EQMPT.GROUND LINES/CNTNRS/EQMPT WHEN TRANSF

Other Precautions:DO NOT SWITCH LOAD(LOAD INTO CNTNR WHICH PREVIOUSLY HAD GASOLINE/OTHER LOW FLASH MATL)DUE TO POSSIBLE ACCUMULATION OF STATIC CHARGE.VAP OF MATL & H2S CAN ACCUMULATE IN CONFINED/CLOS

ED
AREAS.EMPTY CNTN RS ARE HAZ.DO NOT CUT/WELD/ETC NEAR CNTR

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

Respiratory Protection:IF WORKPLACE EXPOSURE LIMITS EXCEEDED WEAR NIOSH EQPMT.PROPER RESP SHOULD BE DETERMINED BY ADEQ TRAINED PERSONNEL BASED ON CONTAMINANTS,DEGREE OF POTENTIAL EXPOSURE & PUBLISHED RESP PROTECTION FACTORS .AVAILABLE FOR NON-ROUTINE/EMERG USE.

Ventilation:USE IN WELL VENTI AREA.MECHANICAL VENTI FOR CONFINED SPACE TO REDUCE VAPOR

CONCEN TO LEVELS BELOW ALLOWABLE EXPOUSE LIM
Protective Gloves:NEOPRENE,NITRILE-BUTADIENE RUBBE, ETC.
Eye Protection:SAFETY GLASSES, CHEM SPLASH GOGGLES.
Other Protective Equipment:NO CONTACT LENSES.AVOID SKIN/EYE
CONTACT.IMPERVIOUS CLOTH/BOOTS.FACESHIELD,BARRIER
CREAMS.EYEWASH/SOURCE OF CLEAN WATER.
Work Hygienic Practices:WASH CONTAMIN CLOTH PRIOR TO REUSE.DISCARD
CONTAMIN LEATHER GOODS.USE GOOD PERSONAL HYGIENE PRACTICES.WASH AFT
HANDLING.

Supplemental Safety and Health
WEAR

PPE(SCBA W/FULL FACE MASK)FOR FIGHTING FIRE IN ENCLOSE/CONFINE
AREA.MATL HAS SUBSTANTIAL AMTS OF POLYCYCLIC AROMATIC HYDROCARBONS
& HEALTH HAZ SIMILAR TO COAL TAR PITCH VOLATILES.MATL NORMALLY ST
ORE/SHIP HOT(110-250F).DOC:CONSIDER INTRATRACHEAL TUBE.ADVISE NO
ADRENALIN FOR IRREG HEARTBEAT.ATNN TO NEURO & CARDIOVAS

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

HCC:F4
Boiling Pt:B.P. Text:350F,177C
Vapor Pres:5
Spec Gravity:0.88-1.02 @60F
Viscosity:30-500
CST
Solubility in Water:NEGLIGIBLE.
Appearance and Odor:BLACK VISCOUS LIQUID WITH HYDROCARBON ODOR.
Percent Volatiles by Volume:NEGLIG

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENST (PEROXIDE, PERMANGANATE, DICHROMATE, CHLORINE,
ETC), STRONG ACIDS, CAUSTICS AND HALOGENS.
Stability Condition to Avoid:HEAT/SPARKS/OPEN FLAME/STATIC ELECT OR ANY
OTHER POTENTIAL IGN SOURCES.PREVENT VAP ACCUMULATION.DO NO
T SWITCH
LOAD.
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
REACTIVE HYDROCARBONS (ALDEHYDES, AROMATICS, ETC.) COMPOUNDS FROM
COMBUSTION.

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

Waste Disposal Methods:DISPOSE OF MATL IAW FED/LOCAL/COUNTY/STATE
REGS.CONTACT STATE/FED REGULATORS TO DETERMINE WHETHER MATL SHOULD
BE CLASSIFIED AS HAZ WASTE OR INDUSTRIAL WASTE & HANDLE
ACCORDINGLY.USE LICENSED TRANSPORT ER & DISPOSAL FACILITY.

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