



SUN REFINING AND MARKETING COMPANY

MATERIAL SAFETY DATA SHEET

THIS PRODUCT SAFETY INFORMATION IS PROVIDED IN RESPONSE TO YOUR RECENT REQUEST. THANK YOU FOR YOUR INQUIRY.

SUN CODE
R00000142100

PRINTED: 03/28/92
SECTION 1 IDENTIFICATION
NAME: SUNVIS 732

SYNONYMS: HYDRAULIC OIL

REVISION DATE: 01/08/91

CAS REGISTRY NO: SEE SEC. 2 CAS NAME: NO CLASSIFICATION - BLENDED PRODUCT

CHEMICAL FAMILY: BLEND

CUSTOMER:

MESA PRODUCTS
ATTN: JOHN MEEK
1216 S. HUDSON
TULSA

OK 74112

SUN REFINING AND MARKETING COMPANY
TEN PENN CENTER
1801 MARKET STREET
PHILADELPHIA PA 19103-1699

INFORMATION SUPPLIED BY JOANNE HOUCK
PHONE: (215) 977-6133 8:00AM TO 4:30PM
(215) 293-9270 (OTHER HOURS)

SECTION 2 INGREDIENTS

SOLVENT REFINED HEAVY PARAFFINIC DISTILLATE, CAS# 64741-68-4 CONTAINING LESS THAN 1.0% OF EACH OF: ZINC DIALKYL DITHIOPHOSPHATE, CAS# 68649-42-3; BARIUM POLYOLEFIN PHOSPHOSULFIDE; POLYBUTENYL SUCCINIMIDE /AMIDE; DIALKYL FUMARATE/VINYL ACETATE COPOLYMER; TRACE SILICONE DEFOAMER. PRODUCT TYPICALLY CONTAINS: 0.08% BARIUM; 0.06% ZINC.

SECTION 3 PHYSICAL DATA

BOILING POINT AT 760 MM HG HIGH WITH F ; WIDE RANGE C
MELTING POINT: N/A F ; N/A C
SPECIFIC GRAVITY: (WATER = 1) 0.87
PACKING DENSITY: KG/M3 N/A
VAPOR PRESSURE: (MM HG AT 20 C) < 0.0001
VAPOR DENSITY: (AIR = 1) > 10
PH INFORMATION: PH N/A AT
OCTANOL/WATER PARTITION COEFFICIENT: N.D.
APPEARANCE: LIGHT AMBER FLUID.
ODOR: LITTLE ODOR.
ODOR THRESHOLD (PPM) N.D.

SECTION 4 FIRE AND EXPLOSION DATA

FLASH POINT TEMPERATURE: 370 MINIMUM COC F ; 185 MINIMUM COC C
AUTOIGNITION TEMPERATURE: 680 ESTIMATED F ; 360 ESTIMATED C

NFPA CLASSIFICATION
0=LEAST HEALTH 1=SLIGHT FIRE 2=MODERATE FIRE 3=HIGH REACTIVITY 4=EXTREME REACTIVITY

UN/N/A NUMBER
NONE

LOWER EXPLOSIVE LEVEL (LEL)
UPPER EXPLOSIVE LEVEL (UEL)
FLAMMABLE LIMITS IN AIR
NOT DETERMINED % VOL
NOT DETERMINED % VOL

FIRE AND EXPLOSION HAZARDS

CAN BE MADE TO BURN (FLASH POINT GREATER THAN 200F).

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N/A = NOT APPLICABLE N.D. = NO DATA / NOT DETERMINED

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EXTINGUISHING MEDIA
WATER FOG, MECHANICAL FOAM, DRY CHEMICAL POWDER,
CARBON DIOXIDE.

SPECIAL FIRE FIGHTING INSTRUCTIONS
WEAR SELF-CONTAINED BREATHING APPARATUS WHEN FIRE
FIGHTING IN CONFINED SPACE.

SECTION 5 HEALTH HAZARD INFORMATION

EXPOSURE LIMITS
OIL MIST: 5 MG/M3 OSHA PEL/ACGIH TLV GOVERNMENT REGULATION.

ROUTES OF EXPOSURE AND EFFECTS
INHALATION NO ACUTE EFFECTS EXPECTED TO TWICE EXPOSURE LIMIT.

SKIN PRACTICALLY NON-TOXIC IF ABSORBED (LD50 GREATER THAN 2000 MG/KG). MILD IRRITATION WITH PROLONGED OR REPEATED CONTACT.

EYE CONTACT WITH THE EYE MAY CAUSE MINIMAL IRRITATION.

INGESTION ESTIMATED LD50 IN RATS IS: > 15 GRAMS PER KILOGRAM OF RAT BOD

FIRST AID
INHALATION MOVE PERSON TO FRESH AIR.

SKIN WASH WITH SOAP AND WATER UNTIL NO ODOR REMAINS. WASH CLOTHING BEFORE REUSE.

EYE FLUSH WITH WATER.

INGESTION GIVE LIQUIDS AND INDUCE VOMITING UNLESS VICTIM IS UNCONSCIOUS. OBTAIN EMERGENCY MEDICAL ATTENTION. SMALL AMOUNTS WHICH ACCIDENTALLY ENTER MOUTH SHOULD BE RINSED OUT UNTIL TASTE OF IT IS GONE.

SECTION 6 REACTIVITY DATA CONTINUED ON PAGE 3
STABILITY INCOMPATIBLE MATERIALS STRONG OXIDIZERS.
HAZARDOUS DECOMPOSITION PRODUCTS
COMBUSTION WILL PRODUCE CARBON MONOXIDE AND ASPHYXIANTS

POLYMERIZATION
POLYMERIZATION WILL NOT OCCUR.

SECTION 7 PROTECTION INFORMATION

VENTILATION
VENTILATE AS NEEDED TO COMPLY WITH EXPOSURE LIMIT.

PERSONAL PROTECTIVE EQUIPMENT
EYE
PRODUCT MINIMALLY IRRITATING TO EYES. LOCAL SAFETY POLICY DECISION.

GLOVES
IMPERVIOUS GLOVES RECOMMENDED WHEN PROLONGED SKIN CONTACT CANNOT BE AVOIDED.

RESPIRATOR
CONCENTRATION-IN-AIR DETERMINES PROTECTION NEEDED. USE ONLY NIOSH CERTIFIED RESPIRATORY PROTECTION.
RESPIRATORY PROTECTION USUALLY NOT NEEDED UNLESS PRODUCT IS HEATED OR MISTED.

OTHER
IF CONTACT IS UNAVOIDABLE, WEAR IMPERVIOUS PROTECTIVE GEAR. LAUNDRY SOILED CLOTHES.

SECTION 8 DISPOSAL PROCEDURES

AQUATIC TOXICITY
NOT DETERMINED

SPILL, LEAK OR RELEASE
CONTAIN SPILL. ADVISE EPA; STATE AGENCY IF REQUIRED. ABSORB ON INERT MATERIAL.

WASTE DISPOSAL
FOLLOW FEDERAL, STATE AND LOCAL REGULATIONS. DO NOT FLUSH TO DRAIN/ STORM SEWER. CONTRACT TO AUTHORIZED DISPOSAL SERVICE.

SECTION 9 SPECIAL PRECAUTIONS

STORAGE
NFPA CLASS IIB STORAGE. WASH THOROUGHLY AFTER HANDLING.

SECTION 10 PRECAUTIONARY LABEL (IF APPLICABLE)

WARNING: HIGH PRESSURE INJECTION OF OIL THROUGH THE SKIN IS A MEDICAL EMERGENCY. THERE MAY BE NO SIGN OF INJURY AND NO INITIAL PAIN. THIS OIL MUST BE REMOVED COMPLETELY BY A PHYSICIAN. FAILURE TO OBTAIN IMMEDIATE TREATMENT HAS RESULTED IN LOSS OF A FINGER, HAND OR ARM. WHMIS CLASSIFICATION: NOT CONTROLLED