

SAFETY DATA SHEET

NAME OF PRODUCT *RAFFEX 90*

FILE NUMBER: 3131

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: RAFFEX 90
SYNONYMS: PETROLEUM HYDROCARBON
PRODUCT CODE: 3131
MANUFACTURER: SAN JOAQUIN REFINING CO., INC
DIVISION: BAKERSFIELD
ADDRESS: P.O. BOX 5576, BAKERSFIELD, CA., 93388
EMERGENCY PHONE: (661) 327-4257
RECOMMENDED USE: RUBBER PROCESS OIL, EXTENDER OIL, ASPHALT CUTBACK
RESTRICTIONS ON USE: NOT TO BE USED FOR EU TYRES
PREPARED BY: SAN JOAQUIN REFINING CO., INC. HEALTH, SAFETY AND ENVIRONMENTAL DEPARTMENTS

SECTION 2: HAZARDS IDENTIFICATION

OSHA Hazard: irritant, carcinogen



Signal word: Danger

Serious eye irritation = GHS Cat. 2

Presumed human carcinogen = GHS Cat. 1B

Precautionary Statements:

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors in a well ventilated area. Wash any exposed body parts thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. Remove/take off immediately all contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If inhaled: Remove person to fresh air and keep comfortable for breathing. If swallowed: Rinse mouth. Do not induce vomiting.

Storage: Store locked up. Store in a well ventilated area. Keep container tightly closed.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

CHEMICAL FAMILY: PETROLEUM HYDROCARBON, HYDROTREATED

COMPONENT(S)	% BY WEIGHT
Heavy Naphthenic Distillate Solvent Extract CAS No. 64742-11-6	100

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with water for a minimum of 15 minutes. Seek medical attention immediately.

SKIN: Wash contact areas with soap and water. Remove and clean oil soaked clothing daily and wash affected area.

INGESTION: Do not induce vomiting. If operating conditions create airborne concentrations that exceed the exposure standard, the use of an approved NIOSH/OSHA respirator for organic vapors or air-supplied breathing equipment is recommended. If ingested, seek medical attention.

INHALATION: Not expected to be a problem. However, if respiratory irritation, dizziness, nausea or unconsciousness occurs due to excessive vapor or mist exposure, seek medical attention. If operating conditions create airborne concentrations that exceed the exposure standard, the use of an approved NIOSH/OSHA respirator for organic vapors or air-supplied breathing equipment is recommended.

Important symptoms/effects, acute and delayed:

EYES: Overexposure may cause irritation.
SKIN: Prolonged exposure may cause dermatitis.
INGESTION: Not expected to be a problem.
INHALATION: Overexposure may cause dizziness, drowsiness, headache and nausea.

Health Precautions: **WARNING:** Fumes from hot product may cause irritation to the skin, nose, throat and lungs.

Safety Precautions: **WARNING:** Hot product can cause burns. If burned by hot product, cool affected area immediately with cool water. Seek medical attention immediately.

Recommendations for immediate medical care and special treatment needed, when necessary:

Persons with preexisting skin or respiratory disorders may have their conditions aggravated by overexposure to this material. Seek medical attention.

SECTION 5: FIREFIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, (% BY VOLUME) UPPER: No data available
LOWER: No data available
FLASH POINT: COC °F: 358° Minimum
EXTINGUISHING MEDIA: Foam, water fog, dry chemical, CO²
SPECIAL FIRE FIGHTING PROCEDURES: Do not enter confined fire space without proper protective equipment including self-contained breathing apparatus. See Hazardous Decomposition Products.
HAZARDOUS DECOMPOSITION PRODUCTS: Normal combustion forms carbon dioxide and water vapor, and may produce oxides of sulfur and nitrogen. Incomplete combustion can produce carbon monoxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION: Wear safety glasses, rubber gloves, Tyvek type coveralls and rubber boots.
ACCIDENTAL RELEASE MEASURES: In case of spill, clean up using absorbent material such as earth or sand.
RCRA HAZARD CLASS: This product is not a characteristic hazardous waste under RCRA. No EPA waste numbers are applicable for this product's components.

SECTION 7: HANDLING AND STORAGE

PERSONAL PROTECTION: Wear safety glasses, rubber gloves, Tyvek type coveralls and rubber boots.
HANDLING AND STORAGE: Avoid fire, sparks or open flame. Wear appropriate personal protective equipment to ensure that this product does not contact the eyes or skin.
VENTILATION: Use adequate ventilation to keep the airborne concentrations of this material below the established exposure limits.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT(S)	CAL-OSHA PEL- TWA (8 HOUR)	ACGIH TLV- TWA (8 HOUR)	OTHER LIMITS RECOMMENDED
Heavy Naphthenic Distillate Solvent Extract CAS No. 64742-11-6	5 mg/m ³ for mineral oils	5 mg/m ³ (As oil mist)	None

RESPIRATORY PROTECTION: If operating conditions create airborne concentrations that exceed the exposure standard for this product, the use of an approved NIOSH/OSHA respirator for organic vapors or air supplied breathing equipment is recommended.

EYE PROTECTION: Wear appropriate safety glasses, goggles or full-face shield.

SKIN PROTECTION: Long sleeve cotton shirt and cotton pants are recommended. Wear appropriate gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Black liquid	UPPER/LOWER FLAM/EXP LMT:	NDA
ODOR:	Little or no odor	VAPOR PRESSURE (mmHg):	@ 100° F 0.1
ODOR THRESHHOLD:	NDA	VAPOR DENSITY (AIR = 1):	NA
pH:	NDA	RELATIVE DENSITY:	NDA
MELTING/FREEZING PT:	45° F	SOLUBILITY IN WATER:	NIL
INITIAL BOILING POINT: @760° mmHg:	475° F	PART. COEF. N-OCT/H2O	4.4 to 7.2
FLASH POINT: COC °F:	358° Minimum	AUTOIGNITION TEMP:	NDA
EVAPORATION RATE (ETHYL ETHER = 1):	<1	DECOMPOSITION TEMP:	NDA
FLAMMABILITY (solid, gas):	NA	SPECIFIC GRAVITY (H2O = 1):	0.99
PERCENT VOLATILE (% BY VOL.):	NA		

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable
CONDITIONS CONTRIBUTING TO INSTABILITY:	None
INCOMPATIBILITY (MATERIAL TO AVOID):	May react with strong oxidizers.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Normal combustion forms carbon dioxide and water vapor, and may produce oxides of sulfur and nitrogen. Incomplete combustion can produce carbon monoxide.
HAZARDOUS POLYMERIZATION:	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE STUDIES:	Low order of acute oral and dermal toxicity
HEALTH EFFECTS:	Mild eye and skin irritant
CARCINOGENICITY:	ACGIH, NTP, OSHA and IARC carcinogen lists were checked for those components with CAS Registry Numbers (64742-11-6).
ACGIH:	This product is not listed as carcinogenic.
IARC:	Group 2B – This product is possibly carcinogenic to humans. This product contains petroleum oils similar to ones categorized by the International Agency for Research on Cancer as causing skin cancer in laboratory animals when the oil was repeatedly applied for most of the lifetime of the animal with no effort made to remove the oil between applications. Handling instructions and precautions outlined in this SDS should be followed when handling this product.
NTP:	Petroleum extracts, heavy naphthenic distillate solvent is not listed.
OSHA:	Petroleum extracts, heavy naphthenic distillate solvent is not listed.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	There was no mortality or other adverse reactions to the exposures during or after 96 h in the control and 1000 mg/l test solutions.
PERSISTENCE & DEGRADABILITY:	Not readily biodegradable
BIOACCUMULATIVE POTENTIAL:	NDA
MOBILITY IN SOIL:	NDA
OTHER ADVERSE EFFECTS:	NDA
AQUATIC RELEASE:	Advise authorities if product has enter or may enter watercourses or sewer drains.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE RESIDUES DESCRIPTION:	This product is not a characteristic hazardous waste under RCRA. No EPA waste numbers are applicable for this product's components.
SAFE HANDLING INFORMATION:	See Section 7 (Handling and Storage)
WASTE DISPOSAL METHOD:	Observe Federal, State and Local regulations covering chemical waste spills.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION:

PROPER SHIPPING NAME: Under 212°F Not regulated as a hazardous material for transportation by USA DOT.
At or Above 212°F: UN3257, ELEVATED TEMPERATURE LIQUID, N.O.S. (ASPHALT CUTBACK), 9, PGIII

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT) REGISTRY: Listed

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT):

This product is not a hazardous substance under CERCLA.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

302/304 This product is not listed as an extremely hazardous substance in 40 CFR Part 355, and is not known to contain an extremely hazardous substance in a concentration greater than one percent by weight.

311/312 HAZARD CATEGORIES:

Acute Health Hazard:	Yes
Chronic Health Hazard:	Yes
Fire Hazard:	No
Pressure Release Hazard:	No
Reactivity Hazard:	No

313 This product is not known to contain any components in concentrations above OSHA *de minimus* levels that are listed as toxic in 40 CFR Part 372 pursuant to the requirements of Section 313 of SARA.

WHMIS: Listed

OSHA: 29 CFR 1910.1200 (Hazard Communication) required.

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65 (The Safe Drinking Water and Toxics Enforcement Act)



WARNING: This product can expose you to chemicals including toluene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Mineral oil, petroleum extracts, heavy naphthenic distillate solvent appears on one or more of the hazardous substances lists in the following states:

MA

SECTION 16: OTHER INFORMATION

DATE REVIEWED: 8/11/22

SUPERCEDES: 11/12/19

The information provided in this Safety Data Sheet is believed to be accurate and reliable on and as of the date on this page. **However, this Safety Data Sheet is not a guarantee or warranty of any kind, express or implied. Any and all warranties of merchantability and/or fitness for a particular purpose are specifically disclaimed.** It is the user's responsibility to determine the conditions under which the product is used, including the selection of engineering controls, work practices and Personal Protective Equipment to minimize hazards.