

MSDS - Material Safety Data Sheet

Product Name: CRUDE OIL, YELLOW, BLACK, OR ALTAMONT

MSDS No.: SER29

I. Basic Information:

Manufacturer: Silver Eagle Refining, Woods Cross Inc.

Address: P.O. Box 870298, 2355 South 1100 West

City, ST Zip: Woods Cross, UT 84087

Emergency Contact: Kerry Carroll

Emergency Telephone Number: 801-556-6494

Contact: Kerry B. Carroll/Blaine Zwahlen

Information Telephone Number: 801-298-3211

Last Update: 02/10/1989

Expiration Date:

Chemical State: Liquid Gas Solid

Chemical Type: Pure Mixture



1	Health
3	Flammability
0	Reactivity
	Pers. Protection

II. Ingredients:

Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					

III. Hazardous Identification:

Hazard Category:

Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

Combustible Liquid
Irritant
Carcinogen

IV. First Aid Measures:

Route(s) of Entry:

Eyes, nose, mouth, skin.

Health Hazards (Acute and Chronic):

MAY CAUSE SEVERE EYE IRRITATION, CONJUNCTIVITIS, MAY CAUSE MODERATE SKIN IRRITATION, DEFATTING, DERMATITIS, NASAL AND RESPIRATORY TRACT IRRITATION, CENTRAL NERVOUS SYSTEM EFFECTS, POSSIBLE SECONDARY INFECTION, ANEMIA, IRREGULAR HEART RHYTHM, BEHAVIORAL CHANGES, HARMFUL OR FATAL IF SWALLOWED, GASTROINTESTINAL DISTURBANE

Signs and Symptoms:

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EYE IRRITATION, REDNESS, TEARING, BLURRED VISION, SKIN IRRITATION, CRACKING, REDNESS, ITCHING, INFLAMMATION, EXCITATION, EUPHORIA, CONTRACTED EYE PUPILS, DIZZINESS, DROWSINESS, FATIGUE, NAUSEA, HEADACHE, LOSS OF REFLEXES, TREMORS, CONVULSIONS, SEIZURES, LOSS OF CONSCIOUSNESS, COMA, DEPRESSION, DIARRHEA, VOMITING.

Medical Conditions Generally Aggravated by Exposure:

Inhalation of high concentrations may cause headache, nausea, confusion, drowsiness, convulsions, and coma. When ingested, it may cause nausea, vomiting, and in severe cases, drowsiness progressing to coma; irritation of throat and stomach.

Emergency and First Aid Procedures:

Skin: irritating; remove contaminated clothing, flush with water; Eyes: flush with water; Ingestion: if swallowed, do not induce vomiting, drink water and milk, contact physician.

Aspiration: enforced bed rest; administer oxygen; call doctor. Ingestion: do not induce vomiting; call doctor. Eyes and Skin: wash with water; use soap and water on skin.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: Above 100 F **Lower Explosive Limit:** **Upper Explosive Limit:**

F.P. Method: PMCC

Fire Extinguishing Media: Dry chemical foam or carbon dioxide

Special Fire Fighting Procedures:

Water may be ineffective

Unusual Fire and Explosion:

Combustion products such as carbon monoxide and carbon dioxide.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Stop discharge; isolate mechanically (sand dikes, etc.) if possible; call fire department and local environmental health office.

VII. Handling and Storage:

Precautions to be Taken:

Can be stored in API Standard above ground storage tanks.

Other Precautions:

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

USE IN WELL VENTILATED AREA. IN CONFINED SPACE, MECHANICAL VENTILATION MAY BE NECESSARY TO KEEP BELOW PEL/TLVS

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Personal Protective Equipment:

EYES: Goggles or face shield

RESPIRATORY: Use chemical absorber type; use oxygen supply to enter storage tank.

GLOVES: Impervious nitrile rubber.

IX. Physical and Chemical Properties:

Boiling Point: 10% point is above 260

Melting Point:

Evaporation Rate (Butyl Acetate = 1): <1

Vapor Pressure (mm Hg.): NA

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): >1

Solubility In Water: Insoluble

Appearance and Odor: Yellow to Yellow-green color -- Similar to Diesel - Usually Waxy Solid at Room Temperature

Other Information:

X. Stability and Reactivity:

Stability:

Stability

Incompatibility (Materials to Avoid):

Materials to Avoid: AVOID STRONG OXIDIZING AGENTS (PEROXIDE, DICHROMATE, PERMANGANATE, CHLORINE, ETC), STRONG ACIDS, CAUSTICS AND HALOGENS.

Stability Condition to Avoid: HEAT, SPARKS, OPEN FLAME, STATIC ELECTRICITY OR OTHER POTENTIAL IGNITION SOURCES SHOULD BE AVOIDED. DO NOT SWITCH LOAD.

Decomposition/By Products:

Carbon monoxide and carbon dioxide can cause asphyxiation

Hazardous Polymerization:

Will not occur.

XI. Toxicological Information:

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EYE EFFECTS:

The eye irritation hazard is based on an evaluation of the data for the components.

SKIN EFFECTS:

The skin irritation hazard is based on an evaluation of the data for the components. The acute dermal toxicity is based on an evaluation of the data for the components.

ACUTE ORAL EFFECTS:

The acute oral toxicity is based on an evaluation of the data for the components.

ACUTE INHALATION EFFECTS:

The acute respiratory toxicity is based on an evaluation of the data for the components.

CHRONIC EFFECTS/CARCINOGENICITY:

The International Agency for Research on Cancer (IARC) reviewed the carcinogenic potential of crude oil in 1989 and concluded that there was limited evidence for the carcinogenicity of crude oil in animals and inadequate evidence for the carcinogenicity of crude oil in humans. The basis for the findings for animals are results from studies in which crudes applied to the skin of lab animals showed benign and malignant skin tumors in some studies, but not in others.

This product may contain significant amounts of polynuclear aromatic hydrocarbons (PAH's) which have been shown to cause skin cancer after prolonged and frequent contact with the skin of test animals. Brief or intermittent skin contact with this product is not expected to have serious effects if it is washed from the skin. While skin cancer is unlikely to occur in human beings following use of this product, skin contact and breathing of mists or vapors should be reduced to a minimum.

This product contains benzene.

GENETIC TOXICITY/CANCER: Repeated or prolonged breathing of benzene vapor has been associated with the development of chromosomal damage in experimental animals and various blood diseases in humans ranging from aplastic anemia to leukemia (a form of cancer). All of these diseases can be fatal.

REPRODUCTIVE/DEVELOPMENTAL TOXICITY: No birth defects have been shown to occur in pregnant laboratory animals exposed to doses not toxic to the mother. However, some evidence of fetal toxicity such as delayed physical development has been seen at such levels. The available information on the effects of benzene on human pregnancies is inadequate but it has been established that benzene can cross the human placenta. **OCCUPATIONAL:** The OSHA Benzene Standard (29 CFR 1910.1028) contains detailed requirements for training, exposure monitoring, respiratory protection and medical surveillance triggered by the exposure level. Refer to the OSHA Standard before using this product

XII. Ecological Information:

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ENVIRONMENTAL DATA SHEET

EQUILON EDS: 55270E

CRUDE OIL - FLAMMABLE; SOUR (FLASHPOINT 0.5% WT.)

TELEPHONE NUMBER:

24 HOUR EMERGENCY ASSISTANCE

GENERAL MSDS ASSISTANCE

EQUIVA SERVICES: 877-276-7283

877-276-7285

CHEMTREC: 800-424-9300

NAME AND ADDRESS

EQUILON ENTERPRISES

PRODUCT STEWARDSHIP

P.O. BOX 674414

HOUSTON, TX 77267-4414

PRODUCT CODE: 82743

UNDER EPA-CWA, THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311.

SPILLS INTO OR LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802.

THIS MATERIAL IS COVERED BY CERCLA'S PETROLEUM EXCLUSION, THEREFORE, RELEASES TO AIR, LAND OR WATER ARE NOT REPORTABLE UNDER EPA-CERCLA ("SUPERFUND").

XIII. Disposal Considerations:

Safely collect as much of the product as possible for recycle. Check with local hazardous waste regulatory agency for appropriate disposal methods.

XIV. Transport Information:

DEPARTMENT OF TRANSPORTATION CLASSIFICATION:

CLASS 3 (FLAMMABLE LIQUID), PACKING GROUP MUST BE DETERMINED ON A CASE-BY-CASE BASIS.

DOT PROPER SHIPPING NAME: PETROLEUM CRUDE OIL

OTHER REQUIREMENTS: UN1267, GUIDE 128

XV. Regulatory Information:

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THIS PRODUCT IS LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES. PROTECTION OF STRATOSPHERIC OZONE (PURSUANT TO SECTION 611 OF THE CLEAN AIR ACT AMENDMENTS OF 1990): PER 40 CFR PART 82, THIS PRODUCT DOES NOT CONTAIN NOR WAS IT DIRECTLY MANUFACTURED WITH ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES.

IN ACCORDANCE WITH SARA TITLE III, SECTION 313, THE ATTACHED ENVIRONMENTAL DATA SHEET (EDS) SHOULD ALWAYS BE COPIED AND SENT WITH THE MSDS.

THE FOLLOWING CHEMICALS ARE SPECIFICALLY LISTED BY INDIVIDUAL STATES; OTHER PRODUCT SPECIFIC HEALTH AND SAFETY DATA IN OTHER SECTIONS OF THE MSDS MAY ALSO BE APPLICABLE FOR STATE REQUIREMENTS. FOR DETAILS ON YOUR REGULATORY REQUIREMENTS YOU SHOULD CONTACT THE APPROPRIATE AGENCY IN YOUR STATE.

STATE LISTED COMPONENT	CAS NO	PERCENT	STATE CODE
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CRUDE OIL	8002-05-9	100	CA, CT, FL, IL, LA, MA, ME, MN, NJ, PA, RI
NATURAL GAS	8006-14-2	VARIABLE	MA, PA
HYDROGEN SULFIDE	7783-06-4	VARIABLE	CA, CT, FL, IL, LA, MA, ME, MN, NJ, PA, RI
BENZENE	71-43-2	VARIABLE	CA, CT, FL, IL, LA, MA, ME, MN, NJ, PA, RI, CA65C/R
N-HEXANE	110-54-3	VARIABLE	CA, CT, FL, IL, LA, MA, ME, MN, NJ, PA, RI

CA = CALIFORNIA HAZ. SUBST. LIST; CA65C, CA65R, CA65C/R = CALIFORNIA SAFE DRINKING WATER AND TOXICS ENFORCEMENT ACT OF 1986 OR PROPOSITION 65 LIST; CT = CONNECTICUT TOXIC. SUBST. LIST; FL = FLORIDA SUBST. LIST; IL = ILLINOIS TOX. SUBST. LIST; LA = LOUISIANA HAZ. SUBST. LIST; MA = MASSACHUSETTS SUBST. LIST; ME = MAINE HAZ. SUBST. LIST; MN = MINNESOTA HAZ. SUBST. LIST; NJ = NEW JERSEY HAZ. SUBST. LIST; PA = PENNSYLVANIA HAZ. SUBST. LIST; RI = RHODE ISLAND HAZ. SUBST. LIST.

CALIFORNIA PROPOSITION 65 FOOTNOTE: CA65C = THE CHEMICAL IDENTIFIED WITH THIS CODE IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. CA65R = THE CHEMICAL IDENTIFIED WITH THIS CODE IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. CA65C/R = THE CHEMICAL IDENTIFIED WITH THIS CODE IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BOTH CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

MSDS REVISED IN SECTION XV - STATE REGULATORY INFORMATION.

THE INFORMATION CONTAINED IN THIS DATA SHEET IS BASED ON THE DATA AVAILABLE TO US AT THIS TIME, AND IS BELIEVED TO BE ACCURATE BASED UPON THAT DATA. IT IS PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT, FOR PURPOSE OF HAZARD COMMUNICATION. IT IS NOT INTENDED TO CONSTITUTE PRODUCT PERFORMANCE INFORMATION, AND NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND IS MADE WITH RESPECT TO THE PRODUCT, UNDERLYING DATA OR THE INFORMATION CONTAINED HEREIN. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL PRODUCTS YOU BUY, PROCESS USE OR DISTRIBUTE, AND ARE ENCOURAGED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN.

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XVI. Other Information:

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.

WARNING! THIS MATERIAL CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, OR BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM.