

MSDS - Material Safety Data Sheet

Product Name: VACUUM WAX

MSDS No.: SER32

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

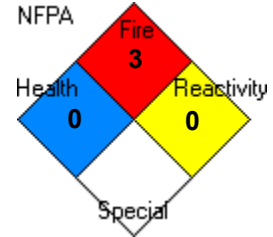
Information Telephone Number: 801-298-3211

Last Update: 05/10/1996

Expiration Date:

Chemical State: Liquid Gas Solid

Chemical Type: Pure Mixture



0	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				
68512-62-9	Vacuum Residue								5 mg/m3		

III. Hazardous Identification:

Hazard Category:

Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

Combustible Liquid
Irritant (Chronic, skin)
Target Organ: Skin and eye hazard; Acute - Hot product can cause severe burns.

IV. First Aid Measures:

Route(s) of Entry:

Eyes, nose, mouth, skin.

Health Hazards (Acute and Chronic):

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ACUTE;

EYE CONTACT: Causes slight to moderate eye irritation.

SKIN CONTACT: Moderately irritating; causes redness, edema, or drying of the skin. Prolonged or repeated contact may cause dermatitis and other serious skin disorders.

SKIN ABSORPTION: Does not penetrate skin in quantities sufficient to cause adverse health effects.

INHALATION: Respiratory irritation, dizziness, headache, nausea, and stupor may result from exposure to high vapor concentrations.

INGESTION: Gastrointestinal irritation, vomiting. if aspirated into lungs secondary to vomiting, pneumonitis and pulmonary edema may result.

CHRONIC;

Studies with laboratory animals have shown that residual distillates cause skin cancer. Generally, human exposures to residual distillates are considerably less than those used in animal toxicity studies. As far as scientists know, low levels or infrequent exposures to residual distillates is unlikely to be associated with cancer or other serious diseases in humans.

WARNING! Contains material which can cause skin cancer and/or allergic skin reactions. Avoid prolonged or repeated contact with skin. Risk of cancer depends on duration and level of exposure. Wash thoroughly after handling.

Signs and Symptoms:

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 fumes from the hot product in high concentrations may cause headache, nausea, confusion, drowsiness, convulsions, and coma. When ingested (see information in section 4).

Emergency and First Aid Procedures:

Hot product can cause severe thermal burns; use water to cool burned area; immediately contact a physician; let the physician remove the product. Skin: irritating; remove contaminated clothing, flush with water; Eyes: flush with water; Ingestion: It is highly unlikely that the hot product would be ingested; however, should the product somehow be 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: < 450 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; water may used to keep exposed containers cool.

Unusual Fire and Explosion:

Combustion products such as carbon monoxide and carbon dioxide.

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VI. Accidental Release Measures:

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

Large Spills: Stop discharge; isolate mechanically (sand dikes, etc.) if possible. Evacuate unprotected personnel. Recover as much of the product as possible with vacuum trucks or pumps. Soak up residue with an absorbent such as clay or some other suitable material. Place contaminated absorbent in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solution as above.*** Small Spills: Take up with an absorbent material; place in non-leaking containers; seal tightly for proper disposal. Spills of this product are covered by the Federal Water Pollution Control Act and are referred to in the Comprehensive Environmental Response, Compensation, and Liability Act of 1980. This product is classified as an oil under Section 311 of the Clean Water Act. As such, spills of this product into or leading to surface waters that cause a sheen must be reported to the national response center: 800-424-8802.

VII. Handling and Storage:

Precautions to be Taken:

Low pressure steel tanks, designed and built according to recommended API Standards.

Other Precautions:

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Presently there is no Federal standard for Gas Oil in workroom air, nor has a standard been proposed.

Personal Protective Equipment:

EYES: When handling hot product use 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 390

Melting Point:

Evaporation Rate (Butyl Acetate = 1): <1

Vapor Pressure (mm Hg.): Not Pertinent

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): >1

Solubility In Water: Insoluble

Appearance and Odor: Dark green to brown or black waxy solid at room temperature. -- Diesel

Other Information:

X. Stability and Reactivity:

Stability:

Stability

Incompatibility (Materials to Avoid):

Strong Oxidizers

Decomposition/By Products:

Carbon monoxide and carbon dioxide can cause asphyxiation

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Hazardous Polymerization:

Will not occur.

XI. Toxicological Information:

The following information applies to vacuum residuum.

ORAL: LD50 > 5.0 G/KG FOR RATS (SD); Signs: Hypoactivity, diarrhea.

INHALATION: LD50 = No data published by the american petroleum institute

DERMAL: LD50 > 2.0 G/KG For acute testing (NZW Rabbit); Chronic dermal carcinogenesis testing in mice (C3H/HEI) resulted in slight increase in tumors. Similar materials are known to cause skin cancer in animals. This product is likely to contain polycyclic aromatic hydrocarbons, some of which have been shown to cause skin cancer in laboratory animals after prolonged repeated skin contact. A dermal bioassay (short term) mouse (CD 1) resulted in no initiation or promotion activity. A dermal sensitization (undiluted) in guinea pigs resulted in no sensitization.

XII. Ecological Information:

No ecological testing of this material has been completed.

XIII. Disposal Considerations:

Recycle as much of the recoverable product as possible. Dispose of nonrecyclable material by methods which comply with federal, state, and local law.

XIV. Transport Information:

TRANSPORT, HANDLE AND STORE IN ACCORDANCE WITH OSHA REGULATION 1910. 106, AND APPLICABLE D.O.T. REGULATIONS.

DOT PROPER SHIPPING NAME: COMBUSTIBLE LIQUID, N.O.S.

DOT HAZARD CLASS (IF APPLICABLE): COMBUSTIBLE LIQUID, UN 1993

XV. Regulatory Information:

DOT PROPER SHIPPING NAME: COMBUSTIBLE LIQUID, N.O.S.

DOT HAZARD CLASS (IF APPLICABLE): COMBUSTIBLE LIQUID, UN 1993

XVI. Other Information:

DISCLAIMER OF LIABILITY:

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