

MATERIAL SAFETY DATA SHEET

DATE October 23, 1984

4383-12-07-83

LIST



SUBSIDIARY OF MERCK & CO., INC.

PRODUCT NAME

VACUUM PUMP OIL

SECTION I

MANUFACTURER'S NAME	Calgon Corporation, Commercial Division	EMERGENCY TELEPHONE NO.	(314) 862-2000 (412) 777-8000
ADDRESS	7501 Page Avenue, St. Louis, Missouri 63166		
CHEMICAL NAME AND SYNONYMS	Petroleum Oil	FORMULA	Multicomponent Liquid

SECTION II HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS COMPONENT (S)	%	ORAL LD ₅₀	DERMAL LD ₅₀	TLV (Units)

SECTION III PHYSICAL DATA

BOILING POINT (°F)	> 212	SPECIFIC GRAVITY (H ₂ O=1)	0.87
VAPOR PRESSURE (mmHg.)	< 0.0001	PERCENT VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR=1)	N/A	pH	N/A
SOLUBILITY IN WATER	Miscible		

APPEARANCE AND ODOR

Clear light amber liquid with mild petroleum odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used)	> 200° F	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	Water spray, foam, dry chemical or CO ₂			
SPECIAL FIRE FIGHTING PROCEDURES	Exercise caution when fighting any chemical fire. Respiratory protection is essential.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None			

COP, Mech - of feed

SECTION V HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

On the basis of animal testing, we would not expect this product to be an eye or skin irritant. Furthermore, results from acute toxicity testing show that the product would not be considered toxic as defined by the Consumer Product Safety Commission.

EMERGENCY AND FIRST AID PROCEDURES

Good First Aid should be followed in all cases of exposure.

In case of eye contact, flush with plenty of water for at least 15 minutes. If irritation develops, call a physician.

SECTION VI REACTIVITY DATA

STABILITY	STABLE	X	CONDITIONS TO AVOID
	UNSTABLE		
INCOMPATIBILITY (Materials to Avoid)	Strong oxidizers		
HAZARDOUS DECOMPOSITION PRODUCTS	Exposure to high temperatures can product carbon monoxide		
HAZARDOUS POLYMERIZATION	CONDITIONS TO AVOID		
MAY OCCUR	NO	X	

SECTION VII SPILL OR LEAK PROCEDURES

REPORTABLE QUANTITIES (RQ) IN LBS. OF EPA HAZARDOUS SUBSTANCES IN PRODUCT

- N/A
-
-

NOTIFY EPA OF PRODUCT SPILLS EQUAL TO OR EXCEEDING N/A LBS.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Dispose of in accordance with local, state and federal regulations. Dike area to contain as much spilled material as possible. Remove any remaining material by absorbing on vermiculite or other suitable absorbing material and place in a sealed metal container for disposal.

WASTE DISPOSAL METHOD

Mix with a flammable solvent and incinerate in accordance with local, state and federal regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify Type)

Not Required

VENTILATION:	LOCAL EXHAUST	Recommended	SPECIAL
	MECHANICAL (General)	Not Required	OTHER
PROTECTIVE GLOVES	Not Required	EYE PROTECTION	Not Required
OTHER PROTECTIVE EQUIPMENT	Not Required		

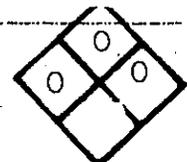
SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Wash thoroughly after handling. Keep container closed. Exercise caution in the storage and handling of all chemical substances.

OTHER PRECAUTIONS

4-3-91



NFPA CODE 704

MATERIAL SAFETY DATA SHEET

I - PRODUCT IDENTIFICATION

COMPANY NAME: Calgon Vestal Laboratories

ADDRESS: 5035 Manchester Avenue
St. Louis, Missouri 63110

PRODUCT NAME: Vestal Lotion Soap 2-2-90

Synonyms: Aqueous Hand Soap

Tel No: (314)535-1810
Nights: (314)862-2000
CHEMTREC: (800)424-9300

Product No.: 6240

II - HAZARDOUS INGREDIENTS OF MIXTURES

MATERIAL: (CAS#)	% By Wt.	TLV	PEL
According to the OSHA Hazard Communication Standard, 29CFR 1910.1200, this product contains no hazardous ingredients.	N/A	N/A	N/A

III - PHYSICAL DATA

Vapor Pressure, mm Hg: @20C N/A	Vapor Density (Air=1) 60-90F: N/A
Evaporation Rate(ether=1): N/A	% Volatile by wt @105C/2 hrs. 76.4%
Solubility in H2O: 99.6%	pH @ Solution N/A
Freezing Point F: 28F	pH as Distributed: 8.7
Boiling Point F: @14.7 psig 212F	Appearance: White opaque cream
Specific Gravity H2O=1 @25C: 1.03	Odor: Pleasant fragrance

IV - FIRE AND EXPLOSION

Flash Point F: None | Flammable Limits: N/A

Extinguishing Media: Suitable to origin of fire-water, CO2, dry chemical, foam.

Special Fire Fighting Procedures: N/A

Unusual Fire and Explosion Hazards: N/A

V - REACTIVITY DATA

Stability - Conditions to avoid: None known

Incompatibility: None known

Hazardous Decomposition Products: Forced ignition of dried residues may produce CO, CO2, nitrogen, oxides.

Conditions Contributing to Hazardous Polymerization: Will not occur.

(Cont'd on Page 2)

Vestal Lotion Soap
VI - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE (Medical Conditions Aggravated/Target Organ Effect)
A. ACUTE (Primary Route of Exposure) EYES: Detergents in product may irritate eyes. SKIN: Prolonged contact to skin without rinsing may produce irritation. INGESTION: Acute oral LD50 (rats): greater than 39.91gm/kg. Overexposure may cause cramps and diarrhea.
B. SUBCHRONIC, CHRONIC, OTHER: No available information was found.

VII - EMERGENCY AND FIRST AID PROCEDURES

EYES: If splashed into eyes, flush with flowing water for 15 minutes. If irritation persists, seek medical help. SKIN: Wash off with water. INGESTION: Drink plenty of water and contact a physician.

VIII - SPILL OR LEAK PROCEDURES

Spill Management: Spills may be picked up with a mop or with flowing water.

Waste Disposal Methods: Waste solutions may be sewerred.

IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory: N/A | Eye: N/A | Glove: N/A

Other Clothing and Equipment: N/A

Ventilation: Normal room ventilation.

X - SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storing: If frozen, thaw and remix before use.

Additional Information: Read and observe labeled use instructions.

Prepared by: R.C. Jente

Revision Date: 09/22/87

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