

MARVEL OIL CO -- MARVEL MYSTERY OIL (SEE SUPPLEMENTAL DATA) -- 9150-01-126-4459  
===== Product Identification =====

Product ID:MARVEL MYSTERY OIL (SEE SUPPLEMENTAL DATA)

MSDS Date:11/01/1999

FSC:9150

NIIN:01-126-4459

Status Code:A

MSDS Number: CKYSH

=== Responsible Party ===

Company Name:MARVEL OIL CO

Address:5655 W. 73RD STREET

City:CHICAGO

State:IL

ZIP:60638

Country:US

Info Phone Num:708-563-376

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Emergency Phone Num:708-563-3766

Preparer's Name:RICHARD P. KELLY

CAGE:UO270

=== Contractor Identification ===

Company Name:MARVEL OIL CO

Address:5655 W. 73RD STREET

Box:City:CHICAGO

State:IL

ZIP:60638

Country:US

Phone:708-563-3766

CAGE:UO270

Company Name:RADIAN INTL LLC

Address:8501 N MOPAC BLVD

Box:201088

City:AUSTIN

State:TX

ZIP:78720-1088

Country:US

Phone:512-419-5224

Contract Num:SP0450-00-D-4021

CAGE:29913

===== Composition/Information on Ingredients =====

Ingred Name

:MINERAL SPIRITS  
CAS:8052-41-3  
RTECS #:WJ8925000  
Other REC Limits:100 PPM (NIOSH)  
OSHA PEL:2900 MG/M3;500 PPM  
ACGIH TLV:525 MG/M3;100 PPM

Ingred Name:NAPHTHENIC HYDROCARBONS  
CAS:64742-52-5  
RTECS #:PY8035000  
OSHA PEL:5 MG/M3

Ingred Name:CHLORINATED HYDROCARBONS  
CAS:95-50-1  
RTECS #:CZ4500000  
OSHA PEL:C300 MG/M3;C50 PPM  
ACGIH TLV:150 MG/M3;25 PPM  
ACGIH STEL:301 MG/M3;50 PPM  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

===== Hazards Identification =====

Reports of Car

cinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: SWALLOWING: CAN CAUSE

GASTRIONTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

ASPIRATION INTO LUNGS CAN CAUSE PNEUMONITIS WHICH CAN BE FATAL.

SKIN: PROLONGED OR REPEATED CONTACT CAN CAUSE M ODERATED

IRRITATION, DEFATTING OR DERMATITIS. INHALATION: CAN CAUSE NASAL

AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA,

HEADACHE, POSSIBLE UNCONSCIOUSNESS AND EVEN ASPHYXIATION. EY E:

CAN

CAUSE SEVERE IRRITATION, REDNESS, TEARING OR BLURRED VISION.

CHRONIC: NONE KNOWN

Explanation of Carcinogenicity:NOT KNOWN TO BE CARCINOGENIC.

Effects of Overexposure:SWALLOWING: GASTRIONTESTINAL IRRITATION,

NAUSEA, VOMITING AND DIARRHEA. ASPIRATION INTO LUNGS CAN CAUSE

PNEUMONITIS. SKIN: IRRITATION, DEFATTING OR DERMATITIS. INHALATION:

NASAL IRRITATION, RESPIRATOR Y IRRITATION, DIZZINESS, WEAKNESS,

FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS AND

ASPHYXIAT

ION. EYE: SEVERE IRRITATION, REDNESS, TEARING OR BLURRED VISION.

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===== First Aid Measures =====

First Aid:SWALLOWING: DO NOT INDUCE VOMITING. KEEP PERSON QUIET AND WARM. GET MEDICAL ATTENTION. ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. SKIN: THOROUGHLY WASH EXPOSE D AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRER BEFORE REUSE. INHALATION: REMOVE PERSON TO FRESH AIR. IF BREATHING DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED, GIVE ARTIFI CIAL RESPIRATION. KEEP PERSON WARM AND QUIET. CALL A PHYSICIAN. EYES: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION.

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===== Fire Fighting Measures =====

Flash Point Method:TCC  
Flash Point:=61.1C, 142.F  
Lower Limits:0..9  
Upper Limits:7.0  
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED WITH POSITIVE PRESSURE-DEMAND WHEN FIGHTING LARGE FIRE.  
Unusual Fire/Explosion Hazard:VAPORS HEAVIER THAN AIR AND MAY TRAVEL ALONG GROUND TO IGNITION SOURCES DISTANT FROM FIRE AREA.

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===== Accidental Release Measures =====

Spill Release Procedures:VENTILATE AREA. REMOVE SOURCES OF IGNITION. PREVENT ENTRY INTO SEWERS AND WATERWAYS. PICK UP FREE LIQUID FOR RECYCLE AND/OR DISPOSAL. ABSORB SMALL AMOUNTS ON INERT MATERIAL FOR DISPOSAL.

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===== Handling and Storage =====

Handling and Storage Precautions:EMPTY CONTAINERS MAY BE DANGEROUS SINCE FUMES MAY STILL EXIST. OBSERVE PRECAUTIONS GIVEN FOR THIS PRODUCT AS STATED IN THIS DOCUMENT.  
Other Precautions:NONE

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF EXPOSURE LEVELS EXCEED THOSE ESTABLISHED, USE APPROVED AIR SUPPLIED RESPIRATOR IN

ABSENCE OF PROPER ENVIRONMENTAL CONTROLS.

Ventilation:PROVIDE SUFFICIENT VENTILATION TO AVOID EXPOSURE LEVELS ABOVE ESTABLISHED TLV'S

Protective Gloves:WEAR CHEMICAL RESISTANT GLOVES.

Eye Protection:SPLASH GOGGLES.

Other Protective Equipment:WEAR IMPERVIOUS CLOTHING TO AVOID CONTACT WITH PRODUCT.

Supplemental Safety and Health

PART# MM010, 011,012, 013, 014, 015, 016, 017, 018.

===== Physical/Chemical Properties =====

HCC:V4

Boiling Pt:=172.C, 341.6F

B.

P. Text:760 MM HG

Melt/Freeze Pt:M.P/F.P Text:NA

Vapor Pres:5 MM @ 25C

Vapor Density:ND

Spec Gravity:0.876 @60F

pH:ND

Viscosity:10 CST @ 40 C

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR AMBER LIQUID

Percent Volatiles by Volume:25

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:NONE KNOWN.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE AND HYDROCARBONS.

ARBONS.

Conditions to Avoid Polymerization:WILL NOT OCCUR. AVOID STRONG OXIDIZING AGENTS.

===== Toxicological Information =====

Toxicological Information:TLV & SOURCE: MINERAL SPIRITS: 100 PPM - 8 HOUR, (TWA-NIOSH); 500 PPM-15 MINUTES (STEL). OIL MIST OF 5 MG/M3 OR LESS.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF PRODUCT IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS

===== MSDS Transport Information =====

Transport Information: PETROLEUM PRODUCTS, N.O.S., COMBUSTIBLE, PG II I, UN1268. SHIPPING NAME: PETROLEUM OILS AND RELATED PRODUCTS. IDENTIFICATION #: NMFC 155250.

===== Regulatory Information =====

SARA Title III Information: SARA HAZARD CATEGORY: THIS PRODUCT HAS BEEN REVIEWED ACCORDING TO THE EPA "HAZARD CATEGORIES" PROMULGATED UNDER SECTIONS 311 AND 312 OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION

ACT OF 1986 (SARA TITLE III) AND IS CONSIDERED, UNDER APPLICABLE DEFINITIONS, TO MEET THE FOLLOWING CATEGORIES: IMMEDIATE HEALTH; DELAYED HEALTH; FIRE HAZARD. SARA 313 INFORMATION: THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372: NONE.

State Regulatory Information: CALIFORNIA PROPOSITION 65

: THIS PRODUCT

CONTAINS THE FOLLOWING CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS: < 150 PPM P-DICHLOROBENZENE, CAS# 106-46-7.

===== Other Information =====

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