



MARVEL OIL CO., INC.
2250 W. PINEHURST BLVD., SUITE 150
ADDISON, IL 60101

SAFETY DATA SHEET

1. Product and Company Identification

1.1 Product Identifier

Product Name: Marvel Mystery Classic Oil 10W40
Product Code (SKU): 50918

1.2 Relevant Identified Uses Of The Substance

Product Use: Engine Oil

1.3 Details of the Supplier of the SDS

Company Name: Marvel Oil Co., Inc.
Street Address: 2250 W. Pinehurst Blvd., Suite 150
City, State, Zip Code: Addison, Illinois 60101

1.4 Emergency Telephone Numbers

Phone Number: 1(630)455-3700
Fax Number: 1(630)455-3868
Transportation: 1(800)424-9300 (CHEMTREC)
Medical Assistance: Call your local Poison Control Center

2. Hazard Identification:

2.1 Classification of the Substance or Mixture

Hazard Classification: Not classified

2.2 Label Elements

Pictogram: No symbol
Signal Word: No signal word
Hazard Statement: Not applicable
Precautionary Statement: Not applicable

2.3 Other Hazards

None identified.

3. Information on Ingredients:

3.1 Substance not applicable

3.2 Mixture

<u>Component</u>	<u>CAS Number</u>	<u>Concentration (wt%)</u>
Mineral Oil	Not determined*	80-90%
Mineral Oil	64742-65-0	5-10%
Mineral Oil	Not determined	1-5%

*The mineral oil contained may be described by one or more of the following:

CAS No. 8042-47-5, White mineral oil (petroleum);

CAS No. 64741-88-4, Distillates (petroleum), solvent-refined heavy;

CAS No. 64742-01-4, Residual oils (petroleum), solvent-refined;

CAS No. 64742-53-6, Distillates (petroleum), hydrotreated light naphthenic;

CAS No. 64742-54-7, Distillates (petroleum), hydrotreated heavy paraffinic;

CAS No. 64742-65-0, Distillates (petroleum), solvent-dewaxed heavy paraffinic;

CAS No. 64742-55-8, Distillates (petroleum), hydrotreated light paraffinic;

CAS No. 64742-56-9, Distillates (petroleum), solvent-dewaxed light paraffinic;

CAS No. 72623-86-0, Lubricating oils (petroleum), C15-30, hydrotreated;

CAS No. 72623-87-1, Lubricating oils (petroleum), C20-50, hydrotreated.

4. First Aid Measures:

4.1 Description of First Aid Measures

Inhalation: Remove to fresh air and promote deep breathing. Get medical attention if effects persist or you feel un-well.

Skin: In case of skin contact, wash thoroughly with soap and water. Remove contaminated clothing and footwear. Launder clothing before re-use. Call a physician if irritation develops or persists.

Eyes: In case of eye contact, immediately flush eyes thoroughly, with plenty of water. Remove contact lenses if worn, and easy to do. If irritation persists, get medical attention

Ingestion: Rinse mouth. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects – acute and chronic

Symptoms: See section 11.

4.3 Indication of any immediate medical attention and special treatment

Symptoms may not appear immediately. Seek medical attention if effects develop or persist and you feel un-well.

5. Fire Fighting Measures:

5.1 Extinguishing media

Carbon dioxide, dry chemical, and foam

5.2 Special hazards arising from the substance or mixture

CO₂, CO, and hydrocarbons

Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations. Vapors may travel considerable distance to a source of ignition and

flash back. Water may cause splattering. Container may rupture on heating. A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. See section 10 for additional information.

5.3 Advice for Fire Fighters

Keep up wind of fire. Wear full firefighting turn out gear (full bunker gear) and respiratory protection (SCBA). Cool closed containers exposed to fire with water. See Section 8 for personal protection.

6. Accidental Release Measures:

6.1 Personal precautions, protective equipment, and emergency procedures

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate all source of ignition.

6.2 Methods and materials for containment and clean up

For containment: Dike up and contain spill for recovery. Absorb spill with inert material. Place in suitable container for disposal. Do not flush to sewer or allow to enter waterways. See section 8 for PPE.

For clean up: Pick up free liquid and place in suitable container for recycle and/or disposal. Take up residual material, using a suitable absorbent, and place in a suitable container for disposal. Vapors may be heavier than air and may travel along the ground to a distant source of ignition. Provide adequate ventilation.

7. Handling and Storage

7.1 Precautions for safe handling

Keep away from source of ignition. Do not smoke. Take precaution to eliminate static discharge. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not swallow. Do not eat or drink while handling. Wash hands with soap and water after handling. Use only non-sparking tools. Wear appropriate personal protective equipment. Avoid environmental contamination.

7.2 Conditions for safe storage including incompatibilities

Keep out of reach of children. Store in a well ventilated place. Do not store above 49°C (120°F).

7.3 Specific end uses

Shelf Life: Shelf life is considered to be 7 – 10 years when properly stored.

8. Exposure Control/Personal Protection:

8.1 Control parameters

Exposure Limits **8 hr TWA:**
Mineral Oil

(OSHA PEL)
5 mg/m³

(ACGIH TWA)
5 mg/m³

8.2 Exposure controls

Use adequate ventilation to keep exposure below recommended limits. Ensure that eye wash station and safety shower are close to work station.

Hand Protection Equipment: Wear chemical resistant gloves to prevent skin contact.

Eye Protection Equipment: Wear safety glasses or splash goggles to prevent eye contact.

Skin and Body Protection: Wear suitable protective clothing.

Respiration/Ventilation Protection Requirements: Provide good ventilation.

Ingestion Protection Requirements: Do not eat, drink or smoke while handling. Wash hands with soap and water after handling. Launder all clothing and foot wear before re-use.

9. Physical And Chemical Properties:

9.1 Information of basic chemical and physical properties

Physical Form:	Liquid
Color:	Colorless to Amber
Odor:	Hydrocarbon
Odor Threshold:	not available
pH:	not available
Melting Point/Freeze Point:	not available
Initial Boiling Point:	>212°F (100°C)
Flash Point (Seta Closed Cup):	>201°F (94°C)
Flammability Limits:	Explosive Limits: Upper: not available Lower: not available
Evaporation Rate:	not available
Flammability Solid/Gas:	not applicable
Vapor Pressure:	not available
Vapor Density:	not available
Specific Gravity:	Estimated 0.9 60.1°F (15.6°C)
Solubility in Water:	insoluble
Auto Ignition Temperature:	not available
Partition coefficient (n/octonol/water):	not available
Viscosity:	>21 mm ² /s 104°F (40°C)

9.2 Other information

None

10. Stability and Reactivity:

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Does not react under normal conditions.

10.4 Conditions to avoid

Not determined.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

11. Toxicological Information:

Information on likely routes of exposure

Inhalation	No data available.
Ingestion	No data available.
Skin Contact	No data available.
Eye Contact	No data available.

Information on Toxicological effects

Acute toxicity	Not classified for acute toxicity based on available data.
Oral	Not classified for acute toxicity based on available data.
Dermal	Not classified for acute toxicity based on available data.
Inhalation	Not classified for acute toxicity based on available data.
Skin Corrosion/Irritation	Not classified as a primary skin irritant. Remarks: Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying and cracking of the skin.
Serious eye damage/irritation	Remarks: Not classified as a primary eye irritant.
Respiratory or skin sensitization	No data available. Classification: Not a skin sensitizer.
Germ cell mutagenicity	No data available.
Carcinogenicity	
Product:	This product contains mineral oils which are severely refined and not considered carcinogenic. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.
Mineral Oil:	This product contains mineral oils which are severely refined and not considered carcinogenic. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.
Reproductive toxicity	No data available.
Specific target organs – single exposure	If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.
Specific target organs – repeated exposure	No data available.
Aspiration hazard	Material can be aspirated into the lungs during the act of swallowing or vomiting. This could result in severe injury to the lungs and death.
Symptoms/injuries after inhalation	May cause respiratory tract irritation. Vapors may cause drowsiness and dizziness.
Symptoms/injuries after skin contact	Cause skin irritation. Symptoms may include redness, edema, drying, defatting, and cracking of skin.
Symptoms/injuries after eye contact	May cause temporary eye irritation. Symptoms may include discomfort or pain, excess blinking and tearing, with redness and swelling.
Symptoms/injuries after ingestion	May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea, and vomiting.

12. Ecological Information:

Ecotoxicity Fish Mineral oil	LC 50 (Fathead Minnow, 4 d): > 100 mg/l
Aquatic Invertebrates Mineral oil	EC 50 (Water flea (Daphnia magna), 2 d): > 10,000 mg/l EC 50 (Water flea (Daphnia magna), 21 d): > 10 mg/l NOEC (Water flea (Daphnia magna), 21 d): > 10 mg/l
Toxicity to Aquatic Plants Mineral oil	EC 50 (Green algae (Scenedesmus quadricauda), 3 Days): > 100 mg/l
Toxicity to soil dwelling organisms Sediment Toxicity Toxicity to Terrestrial Plants	No data available No data available No data available
Toxicity to Above-Ground Organisms Toxicity to microorganisms Mineral oil	No data available EC 50 (Sludge, 0.1 d): > 10,000 mg/l
Persistence and Degradability Biodegradation Mineral oil	OECD TG 301 B, 31 %, 28 d, Not readily degradable.
Bioaccumulative Potential Bioconcentration Factor (BCF) Partition Coefficient n-octanol / water (log Kow)	No data available No data available
Mobility: Other Adverse Effects:	No data available No data available.

13. Disposal Considerations:

13.1 Waste treatment methods

RCRA Hazardous Waste:	Not regulated as a hazardous waste.
Waste Disposal Method:	Dispose of in accordance with local, state and federal regulations.
Waste Disposal Vessel:	Metal drums are recommended.

14. Transportation Information:

14.1 UN number

Not Regulated

14.2 UN Proper shipping name

None

14.3 Transport Hazard class

None

14.4 Packaging group

None

14.5 Marine Pollutant

No

14.6 Transportation in Bulk

Not applicable

14.7 Special precautions

None

15. Regulatory Information:

15.1 US Federal Regulations

TSCA Status: All ingredients are commercially available and listed by the manufacturer under TSCA.

15.2 Foreign Regulations

Canadian Status: All materials contained in this product are listed on the Canadian Domestic Substance List (DSL). Consult Turtle Wax, Inc. regarding status of ingredients.

European Union: All materials contained in this product are listed on EINECS.

AICS: All materials are registered for AICS (Australia)

Korea: All components are in compliance for Korea.

New Zealand: All components are in compliance with chemical notification requirements in New Zealand.

Philippines: All components are in compliance with the Philippines Toxic Substance and Hazardous and Nuclear Waste Control Act of 1990 (R.A. 6969).

Switzerland: All components are in compliance with the Environmentally Hazardous Substance Ordinance in Switzerland.


Taiwan (TSCA): All components of this material are listed on the Taiwan inventory.

15.3 State Regulations

State Regulatory Information:

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements, contact the appropriate agency in your state.

California Prop 65:*

 **WARNING:** This product can expose you to chemicals including Benzene (71-43-2), which is known to the state of California to cause cancer, birth defects or other reproductive harm, Ethyl Benzene (100-41-4) and Napthalene (91-20-3), which are known to the State of California to cause cancer, and Sulfur Dioxide (7446-09-5) and Toluene (108-88-3), which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

<u>CAS Number</u>	<u>Concentration</u>	<u>State Code</u>
Sulfur Dioxide (7446-09-5)	3.60PPM	Reproductive
Toluene (108-88-3)	10.44PPM	Reproductive

Benzene (71-43-2)	6.351PPB	Cancer, Reproductive
Ethyl Benzene (100-41-4)	783.00PPT	Cancer
Napthalene (91-20-3)	783.00PPT	Cancer

***Note:** These chemicals are considered impurities and may or may not exist in the product. They are not intentionally added to the product as ingredients.

15.4 HMIS & NFPA Classifications

HMIS Classification:	Health	0
	Flammability	1
	Reactivity	0
NFPA Classification:	Health	0
	Flammability	1
	Reactivity	0

16. Other Information:

Reason For Issue	Section 15 Update
Prepared By	Joseph Whitman
Preparer's Title	Senior Chemist/Regulatory Specialist, R&D
SDS Administrator	Jean Mayszak - Regulatory Compliance Manager, R&D
Approval Date	August 29, 2018
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Revision Number	A-1

This information is, to the best of Turtle Wax, Inc.'s knowledge and belief, accurate and reliable. However, no representation, warranty, or guarantee is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy oneself as to the suitability and completeness of such information for their own particular use.