



SAFETY DATA SHEET

SDS ID NO.: 0386MAR019

Revision date 10/31/2024

1. IDENTIFICATION

Product Name Marathon Rock Drill 100

Product code 0386MAR019
Chemical family Motor/Lube Oil

Recommended use Lubricant.
Restrictions on use All others.

Manufacturer, Importer, or Responsible Party Name and Address **MARATHON PETROLEUM COMPANY LP**
539 South Main Street
Findlay, OH 45840

SDS information 1-419-421-3070 (M-F; 8-5 EST)

24 Hour Emergency Telephone CHEMTREC: 1-800-424-9300 (CCN# 13740)

2. HAZARD IDENTIFICATION

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification

Not classified

Hazards Not Otherwise Classified (HNOC)

Not applicable

2.2. Label Elements

No known significant effects or critical hazards.

Appearance Amber Liquid

Physical State Liquid

Odor Petroleum

Precautionary Statements - Prevention

Not applicable

Precautionary Statements - Response

Not applicable

Precautionary Statements - Storage

Not applicable

Precautionary Statements - Disposal

Dispose of contents/container at an approved waste disposal plant

Additional Information

This SDS contains valuable information regarding the safe handling and use of the product. The SDS should be retained and available for employees and other users handling the material.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Composition Information

Chemical Name	CAS Number	% Concentration
Mineral Oil	PROPRIETARY	90-100

Gear and lubricating oils are complex mixtures of highly refined lubricating oil base stocks and additives.

4. FIRST AID MEASURES

First aid measures

General advice	In case of accident or if you feel unwell, seek medical advice immediately (show directions for use or safety data sheet if possible).
Inhalation	Move victim to fresh air and keep in a position comfortable for breathing. Provide respiratory support, if necessary. Get medical attention if cough or other respiratory symptoms develop.
Skin contact	Wash skin with plenty of soap and water. Get medical attention if irritation persists.
Eye contact	Flush eyes with water. If irritation or redness develops and persists get medical attention.
Ingestion	If swallowed, DO NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips, or if patient is lying down, turn body and head to side to prevent aspiration and monitor for breathing difficulty. If symptoms develop, seek medical attention.

Most important signs and symptoms, both short-term and delayed with overexposure

Adverse effects	Prolonged or repeated inhalation of oil mist at high concentrations may cause respiratory irritation and/or other pulmonary effects. Prolonged and repeated skin contact may cause defatting and drying of the skin and may lead to irritation and/or dermatitis.
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Indication of any immediate medical attention and special treatment needed

Notes to physician	SKIN: Leaks or accidents involving high-pressure equipment may inject a stream of material through the skin and initially produce an injury that may not appear serious. Only a small puncture wound may appear on the skin surface but, without proper treatment and depending on the nature, original pressure, volume, and location of the injected material, can compromise blood supply to an affected body part. Prompt surgical debridement of the wound may be necessary to prevent irreversible loss of function and/or the affected body part. High pressure injection injuries may be SERIOUS SURGICAL EMERGENCIES.
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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	For small fires, Class B fire extinguishing media such as CO ₂ , dry chemical or water spray can be used. Extinguishing foam should not be used. For large fires, water spray or fog can be used. Firefighting should be attempted only by those who are adequately trained and equipped with proper protective equipment.
Unsuitable extinguishing media	Do not use straight water streams to avoid spreading fire.
Specific hazards arising from the chemical	This product is not a flammable liquid per the OSHA Hazard Communication Standard, but may ignite and/or burn at temperatures exceeding the flash point. Spontaneous combustion may occur under high temperature, closed conditions if material is absorbed in various fiber matrices and oxygen is present (e.g. oily rags). For additional fire related information, see

NFPA 30 or the Emergency Response Guidebook 128.

Hazardous combustion products Smoke, carbon monoxide, and other products of incomplete combustion.

Explosion data

Sensitivity to mechanical impact:No.

Sensitivity to static discharge: No.

Special protective equipment and precautions for firefighters

Firefighters should wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA) with a full face-piece, as appropriate. Avoid using straight water streams. Water spray and foam must be applied carefully to avoid frothing and from as far a distance as possible. Keep surrounding area cool with water spray from a distance and prevent further ignition of combustible material. Avoid excessive water spray application. Keep run-off water out of sewers and water sources.

Additional firefighting tactics Not applicable

NFPA Health 0 Flammability 1 Instability 0 Special Hazard -

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Keep public away. Isolate and evacuate area. Shut off source if safe to do so. Avoid creating aerosols. All contaminated surfaces will be slippery.

Protective equipment

Use personal protection measures as recommended in Section 8.

Emergency procedures

Advise authorities and National Response Center (800-424-8802) if the product has entered a water course or sewer. Notify local health and pollution control agencies, if appropriate.

Environmental precautions

Avoid release to the environment. Avoid subsoil penetration. Prevent spilled material from entering storm drains, sewers, and open waterways.

Methods and materials for containment

Contain liquid with sand or soil.

Methods and materials for cleaning up

Recover large spills into approved containers. Use suitable absorbent materials such as vermiculite, sand, or clay to clean up residual liquids. Recover and return free product to proper containers. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Safe handling precautions

Avoid repeated and prolonged skin contact. Avoid breathing vapors or mists. Use only with adequate ventilation. Do not cut, drill, grind, puncture, weld or incinerate container. Empty container may contain hazardous residue. Refer to applicable EPA, OSHA, NFPA and consistent state and local requirements.

Storage conditions

Store in properly closed containers that are appropriately labeled and in a cool, well-ventilated area. Store wiping rags in metal cans with tightly fitting lids.

Incompatible materials.

Strong oxidizing agents. Strong acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Notes:

No further information available.

Engineering measures

Ensure adequate ventilation, especially in confined areas. Local or general exhaust required when using at elevated temperatures that generate vapors or mists.

Personal protective equipment

Eye protection	Wear safety glasses if there is a potential for splashing.
Skin and body protection	Wear appropriate protective gloves to prevent skin contact. Glove suitability is based on workplace conditions and usage. Contact the glove manufacturer for specific advice on glove selection and breakthrough times.
Respiratory protection	Breathing apparatus needed only when aerosol or mist is formed. Observe respirator assigned protection factors (APFs) criteria cited in federal OSHA 29 CFR 1910.134. Self-contained breathing apparatus should be used for fire fighting.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Amber Liquid
Physical State	Liquid
Color	Amber
Odor	Petroleum
Odor Threshold	No data available.
Property	Values (method)
pH	Not applicable
Melting Point / Freezing Point	No data available.
Initial Boiling Point / Boiling Range	No data available.
Flash Point	> 177 °C / > 350 °F
Evaporation Rate	No data available.
Flammability (solid, gas)	Not applicable.
Flammability Limit in Air (%):	
Upper Flammability Limit:	No data available.
Lower Flammability Limit:	No data available.
Explosion Limits	No data available.
Vapor Pressure	No data available.
Vapor Density	No data available.
Specific Gravity / Relative Density	0.87
Water Solubility	Insoluble in water
Partition Coefficient	No data available.
Autoignition Temperature	No data available.
Decomposition Temperature	No data available.
Kinematic Viscosity	100 cSt @ 40°C
VOC Content (%)	No data available.

10. STABILITY AND REACTIVITY

Reactivity	The product is non-reactive under normal conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None under normal processing.
Hazardous polymerization	Will not occur.
Conditions to avoid	Extreme heat. Avoid contact with incompatible materials. Do not freeze.
Incompatible materials.	Strong oxidizing agents. Strong acids

Hazardous decomposition products None known under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Potential short-term adverse effects from overexposures

Inhalation	Excessive inhalation of mist may result in respiratory irritation. Overheating may produce vapors which may cause respiratory irritation, dizziness and nausea.
Eye contact	Exposure to vapor or contact with liquid may cause mild eye irritation, including tearing, stinging, and redness.
Skin contact	Prolonged or repeated exposure may cause dermatitis, folliculitis or oil acne.
Ingestion	Ingestion of large amounts may cause gastrointestinal disturbances.

Acute toxicological data

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Mineral Oil PROPRIETARY	-	-	-

Immediate and delayed effects as well as chronic effects from short and long-term exposure

This product is considered to have a low order of acute and chronic toxicity under normal use and storage conditions

Adverse effects related to the physical, chemical and toxicological characteristics

Signs and symptoms	Prolonged or repeated exposure may cause dermatitis, folliculitis or oil acne.
Acute toxicity	None known.
Skin corrosion/irritation	None known.
Serious eye damage/eye irritation	None known.
Sensitization	None known.
Mutagenic effects	None known.
Carcinogenicity	None known.
Reproductive toxicity	None known.
Specific Target Organ Toxicity (STOT) - single exposure	None known.
Specific Target Organ Toxicity (STOT) - repeated exposure	None known.
Aspiration hazard	None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Used motor and/or lube oils may be toxic to birds and fish.
Persistence and degradability	Not expected to be readily biodegradable.
Bioaccumulation	No information available.

Mobility in soil Insoluble and floats on water.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Description of waste residues Long-term storage may result in decomposition of the oil and could result in a rancid odor.

Safe handling of wastes Handle in accordance with applicable local, state, and federal regulations. Use personal protection measures as required.

Disposal of wastes / methods of disposal The user is responsible for determining if any discarded material is a hazardous waste (40 CFR 262.11). Dispose of in accordance with federal, state and local regulations.

Contaminated packaging disposal Empty containers should be completely drained and then discarded or recycled, if possible. Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT

UN/Identification No:	Not applicable
UN Proper Shipping Name:	Not Regulated
Transport Hazard Class(es):	Not applicable
Packing Group:	Not applicable

IATA

UN/Identification No:	Not applicable
UN Proper Shipping Name:	Not Regulated
Transport Hazard Class(es):	Not applicable
Packing Group:	Not applicable

IMDG

UN/Identification No:	Not applicable
UN Proper Shipping Name:	Not Regulated
Transport Hazard Class(es):	Not applicable
Packing Group:	Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

MARPOL Annex II and Annex III (bulk) noxious liquid substance: pollution category Y, ship category 2(k). Packaged: not listed.

15. REGULATORY INFORMATION

Regulatory Information

US TSCA Chemical Inventory This product and/or its components are listed on the TSCA Chemical Inventory or are exempt.

Canada DSL/NDSL Inventory This product and/or its components are listed either on the Domestic Substances List (DSL) or are exempt.

EPA Superfund Amendment & Reauthorization Act (SARA)

SARA Section 302 This product does not contain any component(s) included on EPA's Extremely Hazardous Substance (EHS) List above the de minimis threshold.

SARA Section 304 This product does not contain any component(s) identified as an EHS or a CERCLA Hazardous substance above the de minimis threshold.

SARA Section 311/312

Not applicable.

SARA Section 313

This product does not contain components, which if in exceedance of the de minimus threshold, may be subject to the reporting requirements of SARA Title III Section 313 Toxic Release Reporting (Form R):

U.S. State Regulations**California Proposition 65**

This product does not contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

For more information, go to www.P65Warnings.ca.gov.

State Right-To-Know Regulations

The following component(s) of this material are identified on the regulatory lists below:

16. OTHER INFORMATION**Prepared by**

Toxicology & Product Safety

NFPA**Revision Notes****Revision date**

10/31/2024

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is intended as guidance for safe handling, use, processing, storage, transportation, accidental release, clean-up and disposal and is not considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

17. MPC COMMENTS (non-publishable)