

Issue date 23-Jan-2012

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name Rockdrill 100

Other means of identification

Product code 0426

Recommended use of the chemical and restrictions on use

Recommended use See PDS for details.

Uses advised against See PDS for details.

Supplier's details

Supplier Address

Tulco Oils, Inc.
5240 E. Pine Street
Tulsa, Oklahoma 74115
Telephone: 918-526-3039

Emergency telephone number

Chemical Emergency Phone Number Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

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

GHS Label elements, including precautionary statements

Emergency Overview

Appearance light to amber liquid	Physical state liquid	Odor mild petroleum
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Hazards not otherwise classified (HNOC)

Other information

- May be harmful in contact with skin
- 1.99584% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

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

4. FIRST AID MEASURES

First aid measures for different exposure routes

Eye contact	Wash off with plenty of water. If irritation persists, call a physician.
Skin contact	Remove and wash contaminated clothing before re-use. Wash with soap & water for 20 minutes. See physician if irritation persists.
Inhalation	Remove to fresh air. Seek medical attention if symptoms develop.
Ingestion	Seek medical attention if discomfort occurs. Material is practically non-toxic. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Signs and Symptoms Hives.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray or fog, foam, dry chemical, carbon dioxide if product is involved.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Environmental precautions

Environmental precautions Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Methods and materials for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions Keep in a dry, cool and well-ventilated place. Store away from strong oxidizing agents or combustible material.

Incompatible products Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Trade secret	STEL: 15 ppm TWA: 5 ppm	TWA: 25 ppm TWA: 100 mg/m ³ S*	IDLH: 300 ppm

Exposure controls

Engineering Measures Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Splash proof chemical goggles.

Skin and body protection Avoid direct contact with the substance.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical and chemical properties**

Physical state	liquid	Odor	mild petroleum
Appearance	light to amber liquid	Odor threshold	No information available
Color	amber		
PROPERTY	Values	Remarks	
pH	No information available	No information available	
Melting / freezing point	No information available	No information available	
Boiling point/boiling range	No information available	No information available	
Flash point	= 450 °F		
Evaporation rate		No information available	
Flammability (solid, gas)		No information available	
Flammability limit in air		No information available	
Upper flammability limit	No information available		
Lower flammability limit	No information available		
Vapor pressure	No information available	No information available	
Vapor density	No information available	No information available	
Specific gravity	No information available	No information available	
Water solubility	negligible	No information available	
Solubility in other solvents	No information available	No information available	
Partition coefficient: n-octanol/water	No information available	No information available	
Autoignition temperature		No information available	
Decomposition temperature	No information available	No information available	
Kinematic viscosity	510 @ 100F, 64 @ 210F SUS	No information available	

Dynamic viscosity	No information available	No information available
Explosive properties	No information available	
Oxidizing properties	No information available	

Other information

Softening point	No information available
Molecular weight	No information available
VOC content (%)	No information available
Density VALUE	No information available
Bulk Density VALUE	No information available

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Heat (temperatures above flash point), sparks, ignition points, flames, static electricity.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Oxides of carbon and other asphyxiants.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

Inhalation	May be harmful by inhalation.
Eye contact	May cause irritation.
Skin contact	May be harmful in contact with skin.
Ingestion	May be harmful if swallowed.

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
Mutagenic effects	No information available.
Carcinogenicity	
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

Numerical measures of toxicity - Product Information

Unknown acute toxicity 1.99584% of the mixture consists of ingredient(s) of unknown toxicity
The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	5,129.00
ATEmix (dermal)	2,052.00
ATEmix (inhalation-dust/mist)	5.67

12. ECOLOGICAL INFORMATION

Ecotoxicity

2.09184% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Disposal methods

It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

Contaminated packaging

Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT

Proper shipping name

Not regulated
Petroleum Lubricating Oil

15. REGULATORY INFORMATION

International Inventories

TSCA	-
DSL/NDSL	-
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECL	-
PICCS	-
AICS	-

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

U.S. State Regulations

California Proposition 65

This product contains chemicals known to the State of California to cause cancer or reproductive toxicity

U.S. State Right-to-Know Regulations

U.S. EPA Label information

16. OTHER INFORMATION

NFPA	Health hazard 1	Flammability 1	Instability 0	Physical and chemical hazards -
HMIS	Health hazard 1	Flammability 1	Physical hazard 0	Personal protection X

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Revision note

No information available

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be 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.

End of Safety Data Sheet