

Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Name	Company Name:	Date:
Eco-Syn Rock Drill Oil	Reliant Technologies, Inc. 2933 HWY 1 North Port Allen, LA 70767	Revised 5/12/2015

Emergency Phone Number:	Information Phone Number	FAX Number
CHEMTREC 800-424-9300	225-383-7923	225-383-7961

Section 2 - Hazards Identification

GHS Signal Word:

NONE

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29CFR1910.1200), which has been updated to align with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

HMIS CODE INFORMATION:	Health	Flammability	Reactivity	Personal Protection (PPE)
NFPA HAZARD ID	0	1	0	
HMIS HAZARD ID	0	1	0	B

THIS MATERIAL IS A LIGHT AMBER LUBRICATING OIL WITH A MILD ODOR.

GHS CLASSIFICATIONS: None This product does not meet the GHS threshold for being a hazardous substance / mixture. However, please be aware that any oil-based product, given sufficient prolonged or repeated contact, or both, can irritate both skin and eyes.

GHS HAZARD PHRASES: None

GHS PRECAUTION PHRASES: Keep Out of Reach of Children
Do Not Eat, Drink, or Smoke When Using This Product
Wash Hands thoroughly After Handling

GHS RESPONSE PHRASES: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention if redness and irritation persist
If swallowed: Rinse mouth with water. Get medical attention if nausea or stomach pains occur.
If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing
If on skin (or in hair): Wash with soap and water. Normal contact will not cause skin irritation. If skin irritation occurs from repeated contact or mis-use, seek medical attention.

GHS STORAGE AND DISPOSAL PHRASES: Store in a locked, secure area. Store in a cool dry place at room temperature away from direct sunlight. Dispose of any unused product and empty containers in accordance with all local, state, and federal regulations.

POTENTIAL HEALTH EFFECTS: (ACUTE and CHRONIC) Inhalation: Unlikely, but could cause respiratory tract irritation under extreme circumstances
Skin Contact: Mild skin irritation is possible with repeated exposure
Eye Contact: Irritation of the eye is possible
Ingestion: Unlikely; gastrointestinal irritation, possible nausea and/or stomach pain could result under extreme circumstances

Section 3 - Composition and Information on Ingredients

This material is defined as a mixture composed of non-hazardous ingredients, as defined by GHS.

Hazardous Components	CAS #	% by Weight	GHS Codes
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*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***

*** NO TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372 ARE PRESENT ***

Section 4 - First Aid Measures

FIRST AID	INHALATION:	Move exposed person to fresh air. Get medical attention if symptoms occur. Inhalation unlikely.
	SKIN CONTACT:	Remove contaminated clothing and shoes. Wash skin with soap and water. Get medical attention if irritation symptoms occur.
	EYE CONTACT:	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 5 minutes, keeping eyelids open. Get medical attention if redness or irritation persists.
	INGESTION:	Wash out mouth with water. Get medical attention if nausea or stomach pains occur.

Section 5 - Fire Fighting Measures

FLASH POINT:	> 392 F	METHOD:	ASTM D-92			
FLAMABLE LIMITS (APPROXIMATE VOLUME % IN AIR):		LEL	No data	UEL	No data	
FIRE EXTINGUISHING MEDIA:	Dry media, dry chemical powder, carbon dioxide (CO ₂), foam, sand, fog Use extinguishing methods that are appropriate to the circumstances of the fire and the surrounding environment					
FIRE FIGHTING INSTRUCTIONS:	Do not use a water stream as it may scatter and spread the fire Use all standard protective equipment.					
HAZARDOUS COMBUSTION PRODUCTS:	Products of combustion and/or incomplete combustion (Smoke, CO, CO ₂ , etc)					

Section 6 - Accidental Release Measures

NOTIFICATION PROCEDURES:	In the event of a spill or accidental release, notify appropriate authorities in accordance with all local, state, and federal regulations.
PROTECTIVE MEASURES:	Use proper personal protective equipment as indicated in Section 8
SPILL MANAGEMENT:	Recover free product. If small amount, clean residue with soap and water. Otherwise, use suitable oil absorbant. Keep product out of sewers and waterways. Always dispose of material in accordance with all local, state, and federal regulations
ENVIRONMENTAL PRECAUTIONS:	Advise authorities if large amounts of product enters waterways or is spilled over extensive land areas.

Section 7 - Handling and Storage

HANDLING:	Wear appropriate personal protection equipment (see Section 8). Do not eat, drink or smoke when using. Wash thoroughly after handling. Follow good hygiene and housekeeping practices. Ensure adequate ventilation in work areas
STORAGE:	Store in a cool, dry area, in original (or equivalent) containers in accordance with all applicable regulations. Do not expose to heat or flame.

Section 8 - Exposure Controls / Personal Protection

EXPOSURE GUIDELINES	When mists or aerosols can occur, the following exposure limits are recommended:						
	<table> <tr> <td><u>ACGIH TLV</u></td> <td><u>OSHA PEL</u></td> <td><u>NIOSH IDLH</u></td> </tr> <tr> <td>10 mg/m3</td> <td>TWA: 5 mg/m3 (mist, respirable fraction) TWA: 15 mg/m3 (total mist)</td> <td>TWA: 5 mg/m3 (mist, respirable fraction) TWA: 10 mg/m3 (total mist)</td> </tr> </table>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NIOSH IDLH</u>	10 mg/m3	TWA: 5 mg/m3 (mist, respirable fraction) TWA: 15 mg/m3 (total mist)	TWA: 5 mg/m3 (mist, respirable fraction) TWA: 10 mg/m3 (total mist)
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ENGINEERING CONTROLS:	Use with adequate ventilation						
CONTROL MEASURES TO CONSIDER:	Provide adequate ventilation and nearby eyewash stations.						
PERSONAL PROTECTION:	Please make sure everyone working with this material has read, and understands, all sections of the Safety Data Sheet prior to handling this product.						
RESPIRATORY PROTECTION:	In case of mist, spray, or aerosol exposure, wear suitable personal respiratory protection						
SKIN PROTECTION:	No special measures required for normal use. Protective, impermeable gloves, if prolonged or repeated contact is unavoidable.						
EYE PROTECTION:	Make sure that eye wash station is near by all areas where this product is used. Avoid eye contact. Use splash goggles if eye contact is possible.						
SPECIFIC HYGENE MEASURES:	Observe good personal hygiene. Wash after handling product and before eating, drinking, or smoking. Wash work clothes and PPE to remove contaminants. Practice good housekeeping.						
ENVIRONMENTALS CONTROLS:	Comply with all local, state and federal regulations limiting discharges to air, water, and soil. Apply appropriate control measures to prevent or limit any potential emissions.						

Section 9 - Physical and Chemical Properties

NOTE: Physical and chemical properties are provided for safety, health, and environmental considerations only, and may not fully represent product specifications.

PHYSICAL FORM	Liquid	FREEZE POINT	< 0 F	
COLOR	Amber	BOILING POINT	> 600 F	
ODOR	Mild	FLASH POINT	> 392 F	
pH	Not Available	FLAMMABLE LIMITS, % in air	LEL: N/A	UEL: N/A
SPECIFIC GRAVITY	0.8 - 0.9	VAPOR DENSITY, air = 1	> 1	
SOLUBILITY IN WATER	Negligible	EVAPORATION RATE, water = 1	< 1	

Section 10 - Stability and Reactivity

REACTIVITY:	Not reactive
STABILITY:	Stable under normal conditions of storage and use
CONDITIONS TO AVOID:	Excessive heat and sources of ignition
MATERIALS TO AVOID:	Oxidizers and materials not compatible with oil
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition products such as CO, CO ₂ , smoke, etc
HAZARDOUS POLYMERIZATION:	Will not occur

Section 11 - Toxicological Information

INHALATION	ACUTE TOXICITY	Excessive inhalation of mists may result in respiratory irritation
INGESTION	ACUTE TOXICITY	Not expected under normal conditons; Ingestion may cause gastric disturbance
SKIN	ACUTE TOXICITY IRRITATION	No ingredients reported to be accutely toxic Prolonged or excessive contact may cause mild redness, irritation No significant health issues are expected under normal use
	CORROSIVITY	No ingredients reported to be corrosive
EYE	IRRITATION	May cause mild redness and discomfort upon contact with eyes
SENSITIZATION	RESPIRATORY TRACT SKIN	No ingredients reported to be respiratory sensitizers No ingredients reported to be skin sensitizers
ASPIRATION	RESPIRATORY TRACT	No data available
GERM CELL MUTAGENICITY		No ingredients reported to have mutagenic effects
CARCINOGENICITY		No ingredients reported to be carcinogenic
REPORDUCTIVE TOXICITY		No ingredients reported to have reproductive effects
LACTATION		No ingredients reported to cause harm to breast-fed children
SPECIFIC TARGET ORGAN TOXICITY	SINGLE EXPOSURE REPEATED EXPOSURE	No ingredients reported to have specific target organ toxicity from single exposure Not expected to cause organ damage from prolonged or repeated exposure

OTHER INFORMATION**Section 12 - Ecological Information**

ECOTOXICITY	Not expected to be harmful to aquatic organisms
MOBILITY	Low solubility; floats on water and is expected to migrate from water to the land
PERSISTANCE AND DEGRADABILITY	Biodegradability is > 75% (OECD 301B)
BIOACCUMULATION	No information available

Section 13 - Disposal Considerations

DISPOSAL RECOMMENDATIONS ARE BASED ON UNUSED MATERIAL. DISPOSAL MUST BE IN ACCORDANCE WITH ALL LOCAL STATE AND FEDERAL REGULATIONS AND MUST BE BASED ON THE MATERIAL CHARACTERISTICS AT THE TIME OF DISPOSAL.

DISPOSAL RECOMMENDATIONS:	Dispose according to all local, state, and federal regulations
REGULATORY INFORMATION:	Generation of waste should be avoided or minimized where possible.

EMPTY CONTAINER WARNING: Empty containers should be sent for recycling or disposal in accordance with all governmental regulations.

Section 14 - Transportation Information

LAND - US DEPARTMENT OF TRANSPORTATION (US DOT), PROPER SHIPPING NAME:	Not Regulated
LAND - CANADA TRANSPORTATION OF DANGEROUS GOODS (CANADIAN TDG):	Not Regulated by Canadian TDG)
MARINE - INTERNATIONAL MARINE DANGEROUS GOODS (IMDG/IMO):	Not Regulated
AIR - INTERNATIONAL AIR TRANSPORT ASSOCIATION (ICA/IATA):	Not Regulated

Section 15 - Regulatory Information

OSHA HAZARD COMMUNICATION STANDARD	This product is not hazardous as defined by OSHA HazCom 2012, 29 CFR 1910.1200
TSCA STATUS	All components listed, or are exempt
CANADIAN DSL STATUS	No Information Available
SARA SECTION 302 STATUS	No ingredient in this product is subject to the reporting requirements of SARA Section 302
SARA SECTION 311/312 REPORTABLE HAZARD CATEGORIES	Tier II reportable if stored in sufficient quantities
SARA SECTION 313 TOXIC RELEASE INVENTORY	No ingredient in this product is subject to the reporting requirements of SARA Section 313 or CERCLA

Section 16 - Other Information

ABBREVIATIONS	N/A	Denotes the section in question "does not apply" to this product
	N/D	Not determined
	STP	Standard temperature and Pressure
	CAS #	Chemical Abstract Service number
	ACGIH	American Conference of Governmental Industrial Hygienists
	NIOSH	National Institute for Occupational Safety and Health
	TLV	Threshold Limit Value
	PEL	Permissible Exposure Limit
	STEL	Short Term Exposure Limit
	NTP	National Toxicology Program
	IARC	International Agency for Research on Cancer
	BOD	Biochemical Oxygen Demand

THIS SAFETY DATA SHEET IS MADE IN ACCORDANCE WITH GLOBAL HARMONIZATION SYSTEM REQUIREMENTS

Disclaimer:

This safety information is provided to assist customers in assessing measures necessary for compliance with health, safety, and environmental regulations. Individuals handling this product should be informed of the recommended safety precautions, and should have access to this information. The information contained herein is based on available data, and is believed to be accurate. No guarantee or warranty is provided, since the use of this product is within the exclusive control of the user, and it is the user's responsibility to satisfy itself that this information is suitable and complete for its particular use. Customers are responsible for compliance with local, state, and federal regulations that may be pertinent in the storage, application, and disposal of this product.