

# Safety Data Sheet

## Section 1 - Chemical Product and Company Identification

Product Name	Company Name:	Date:
<b>XL-703</b> <b>Penetrating Oil</b>	<b>Reliant Technologies, Inc.</b> <b>2933 HWY 1N</b> <b>Port Allen, LA 70767</b>	<b>Revised</b> <b>07/18/2017</b>

Recommended Use:	Product Code	
Penetrating Oil	<b>L-7703</b>	
Emergency Phone Number:	Information Phone Number	FAX Number
CHEMTREC 800-424-9300	225-383-7923	225-383-7961

## Section 2 - Hazards Identification

### GHS Label Elements

#### GHS Signal Word:

**Danger**



THIS MATERIAL IS CONSIDERED A PHYSICAL AND HUMAN HAZARD BY THE OSHA HAZARDOUS COMMUNICATION STANDARD (29 CFR 1910.1200)

### GHS CLASSIFICATION:

#### GHS LABEL ELEMNTS:

##### HAZARD STATEMENTS: H227

H332  
H315  
H320  
H371  
H304  
H401

Combustible liquid  
Harmful if Inhaled  
Causes Skin Irritation  
Causes Eye Irritation  
Specific Target Organ Toxicity, Repeated Exposure  
May be Fatal if Swallowed and Enters Airways  
Toxic to Aquatic Life

Flammable Liquids - Category 2  
Acute Toxicity: Inhalation - Category 4  
Skin Corrosion / Irritation - Category 2  
Serious Eye Damage / Eye Irritation - Category 2A  
Narcotic Effects - Category 2  
Aspiration Hazard - Category 1  
Acute Aquatic Toxicity - Category 2

#### PRECAUTIONARY STATEMENTS: P202

P270  
P264  
P281  
P210  
P241  
P242  
P404  
P261  
P271  
P273

Do Not Handle Until ALL Safety Precautions Have Been Read and Understood  
Do Not Eat, Drink, or Smoke When Using This Product  
Wash Hands Thoroughly After Handling  
Use All Personal Protective Equipment, as Required (See Section 8)  
Keep Away From Heat/Sparks/Open Flames/Hot Surfaces  
Use Explosion-Proof Electrical/Ventilating/Lighting Equipment  
Use Only Non-Sparking Tools  
Keep Container Tightly Closed  
Avoid Breathing Dust/Fumes/Gas/Mist/Vapors/Spray  
Use Only Outdoors or in a Well-Ventilated Area  
Avoid Release to the Environment

#### RESPONSE STATEMENTS: P301

IF SWALLOWED: Immediately call a POISON CENTER or Physician. Do not induce vomiting

P302 + P353  
P304 + P340  
P305 + P351 + P338  
P363  
P405  
P501

IF ON SKIN (OR IN HAIR): Remove contaminated clothing. Rinse/Wash With Water / Shower. Seek Medical Attention if Irritation Develops; Launder Clothing Before Reuse  
IF INHALED: Remove From Source of Exposure. If Breathing Difficulties Develop, Remove Person To Fresh Air and in a Position Comfortable for Breathing. Seek Immediate Medical Attention  
IF IN EYES: Rinse Cautiously With Water for at Least 15 Minutes. Remove Contact Lenses if Present and Easy to Do. Continue Rinsing. Seek medical attention if irritation develops and/or persists.  
Wash Contaminated Clothing Before Reuse  
Store Locked Up  
Dispose of Contents / Container in Accordance With All Federal, State, and Local Regulations

#### SPECIFIC TREATMENT:

See Section 4 of this SDS, "FIRST AID MEASURES", for additional information

#### POTENTIAL HEALTH EFFECTS: (ACUTE and CHRONIC)

Eyes: May Cause Eye Irritation  
Inhalation: Harmful if Inhaled  
Skin: May Cause Irritation  
Ingestion: May be Fatal if Swallowed and Enters Airways

Serious Eye Damage / Eye Irritation - Category 2A  
Acute Toxicity: Inhalation - Category 2  
Skin Corrosion / Irritation - Category 2  
Aspiration Hazard - Category 1

#### HMIS CODE INFORMATION:

NFPA HAZARD ID  
HMIS HAZARD ID

	Health	Flammability	Reactivity / Instability	Personal Protection (PPE)
	2 2	1 1	0 0	N/A H

**Section 3 - Composition and Information on Ingredients**

This product is defined as a mixture

Hazardous Components	CAS #	% by Weight	GHS Codes
Distillates, hydrotreated heavy parafinic	64742-54-7	< 100%	See Section 2
Additive Mixtures	Confidential mixture	< 50%	See Section 2

**Section 4 - First Aid Measures**

FIRST AID	INHALATION:	Remove victim to fresh air in a position comfortable for breathing. If not breathing, or if breathing is irregular, provide artificial respiration or oxygen. Call POISON CENTER OF PHYSICIAN. Seek Immediate Medical Attention. If it is suspected that vapors or gases are still present, the rescuer should wear an appropriate respirator or self-contained breathing apparatus.
	SKIN CONTACT:	Remove Contaminated shoes and Clothing. Wash Affected Areas with Soap and Water. Seek Medical Attention if Irritation Develops. Wash clothing before re-use.
	EYE CONTACT:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses if present and easy to do. Get Medical Attention.
	INGESTION:	Get medical attention immediately. Call POISON CENTER OF PHYSICIAN. Rinse mouth with water; remove any dentures. Aspiration hazard if swallowing occurs; can enter lungs and cause damage. If vomiting occurs, keep head low so that vomit does not enter lungs. If unconscious, place in recovery position until medical help arrives.
	NOTE TO PHYSICIAN:	If ingested, this material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gastric lavage. If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left lateral decubitus position.

**Section 5 - Fire Fighting Measures**

FLASH POINT:	~ 67 C (~ 153 F)	METHOD:	Pensky-Martens Closed Cup		
FLAMMABLE LIMITS (APPROXIMATE VOLUME % IN AIR):			LEL	Not Determined	UEL
FIRE EXTINGUISHING MEDIA:	Dry Chemical, Carbon Dioxide, Foam, or Water Fog. DO NOT USE WATER JET.				
FIRE FIGHTING INSTRUCTIONS:	Flammable liquid and vapor. In a fire, or if heated, a pressure increase and sealed containers may burst with the risk of subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Run-off to sewer may create fire or explosion hazard. Use water spray to keep fire-exposed containers cool. Wear All Required PPE and Protective Clothing. Cool Equipment Exposed to Fire if it Can be Done Safely.				
HAZARDOUS COMBUSTION PRODUCTS:	May include CO <sub>2</sub> , CO, and other toxic gasses or vapors.				

**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:	Stop leak if this can be done without risk. Recover spill by absorbing with dry sand, earth, or vermiculite. Vacuumed or absorbed material should be placed into a suitable disposal container. Avoid allowing a spill to be introduced into the environment. Avoid introducing material into storm sewers and ditches that lead to waterways. Clean up spills immediately. Assure adequate ventilation.
ENVIRONMENTAL PRECAUTIONS:	Prevent entry into waterways, buildings, and confined areas. Avoid Release to the Environment. Avoid Subsoil Penetration

**Section 7 - Handling and Storage**

HANDLING:	Keep away from flames and hot surfaces. Do not get into eyes, on skin, or on clothing. Do not ingest or inhale. Wash thoroughly after handling. Keep container tightly closed when not in use. Destroy contaminated shoes. Use only with adequate ventilation.
THIS PRODUCT SHOULD ONLY BE USED AND HANDLED BY TRAINED PERSONNEL	
STORAGE:	Store in a tightly closed container when not in use. Store in a cool, dry, well ventilated area away from incompatible substances, such as strong oxidizers

**Section 8 - Exposure Controls / Personal Protection**

EXPOSURE GUIDELINES	ACGIH TLV TWA: 100 mg/m <sup>3</sup> , 8 hours (total hydrocarbons)	OSHA PEL No Data	NIOSH IDLH No Data
<b>ENGINEERING CONTROLS:</b>			
Provide good general ventilation; use only with adequate ventilation. Employ forced ventilation, if necessary, to maintain airborne concentrations below the established exposure limits. Eyewash stations and emergency showers should be readily accessible in areas where the product is handled.			
Prohibit smoking in areas where product is stored or handled.			
<b>CONTROL MEASURES TO CONSIDER:</b>			
Provide adequate ventilation and nearby emergency showers and eyewash stations.			
<b>PERSONAL PROTECTION:</b>			
Wear chemical resistant, impermeable gloves, an impervious chemical apron, eye protection (chemical goggles) and an approved respirator.			
<b>RESPIRATORY PROTECTION:</b>			
Use a NIOSH / MSHA approved air purifying respirator.			
<b>SKIN PROTECTION:</b>			
Wear chemical resistant, impermeable gloves, and an impervious chemical apron.			
<b>EYE PROTECTION:</b>			
Wear Chemical Resistant Safety Goggles. Avoid eye contact.			
<b>SPECIFIC HYGENE MEASURES:</b>			
Observe good personal hygiene. Wash after handling product and before eating, drinking, or smoking. Wash work clothes and PPE to remove contaminants. Destroy contaminated shoes/boots. Practice good housekeeping.			
<b>ENVIRONMENTAL CONTROLS:</b>			
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**

PHYSICAL FORM	Liquid	POUR POINT	~ -15 C
COLOR	Amber	BOILING POINT	~ 175 C
ODOR	Petroleum	FLASH POINT	~ 67 C (~ 153 F)
pH	N/A	FLAMMABLE LIMITS, % in air	LEL: N/D UEL: N/D
SPECIFIC GRAVITY	~ 0.70-0.90	VAPOR DENSITY, air = 1	N/A
SOLUBILITY IN WATER	N/A	EVAPORATION RATE, butyl acetate = 1	N/A

**Section 10 - Stability and Reactivity**

REACTIVITY:	Not reactive
STABILITY:	Stable under normal conditions of storage and use
CONDITIONS TO AVOID:	Temperature extremes; Sparks and Open Flames; All Sources of Ignition
MATERIALS TO AVOID:	All Oxidizing Agents / Materials
HAZARDOUS DECOMPOSITION PRODUCTS:	None Known Under Normal Conditions of Use
HAZARDOUS POLYMERIZATION:	Will not occur

**Section 11 - Toxicological Information**

INHALATION	ACUTE TOXICITY IRRITATION	May cause drowsiness and dizziness, headache, nausea, or vomiting. No data available
INGESTION	ACUTE ORAL TOXICITY	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia
SKIN	ACUTE DERMAL TOXICITY SKIN CORROSION / IRRITATION	Mild to moderate irritant
EYE	SERIOUS DAMAGE / IRRITATION	Mild to moderate irritant
SENSITIZATION	RESPIRATORY TRACT SKIN	No data available No data available
ASPIRATION	RESPIRATORY TRACT	Aspiration Hazard - Category 1
GERM CELL MUTAGENICITY		No data available
CARCINOGENICITY		Not classifiable as to carcinogenicity to humans
REPRODUCTIVE TOXICITY		No data available
LACTATION		No data available
SPECIFIC TARGET ORGAN TOXICITY	SINGLE EXPOSURE REPEATED EXPOSURE	Eye, skin: mild to moderate irritation; Harmful if inhaled No data available
OTHER INFORMATION		

**Section 12 - Ecological Information**

ECOTOXICITY	Toxic to aquatic life
MOBILITY	Dispersible in water. Depending on temperature, some volatilization to air will occur. Low mobility in soil.
PERSISTANCE AND DEGRADABILITY	Inherently biodegradable by micro organisms
BIOACCUMULATION	Metabolic processes reduce bioconcentrations

**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:	Recycle any spill amount that can be recovered Any waste sent for disposal must be sent to a RCRA approved waste facility Use, processing or contamination of this product may change the waste management / disposal options
EMPTY CONTAINER WARNING:	Empty containers may contain residue and can be dangerous. Do not attempt to clean or refill an empty container. Empty drums should be sent for recycling or disposal in accordance with all governmental regulations.
EMPTY CONTAINERS RETAIN THE HAZARDOUS CHARACTERISTICS OF THE PRODUCT THEY CONTAINED UNTIL THE HAVE BEEN CLEANED AND / OR RECYCLED	

**Section 14 - Transportation Information**

LAND - US DEPARTMENT OF TRANSPORTATION (US DOT), PROPER SHIPPING NAME:	NA1993, Combustible Liquid, N.O.S. (contains petroleum distillates), PGIII XL-703; Guide 128
NOTE: Combustible Placards Only Required for Packages Containing in Excess of 119 Gallons	
LAND - CANADA TRANSPORTATION OF DANGEROUS GOODS (CANADIAN TDG):	UN1993, Combustible Liquid, N.O.S. (contains petroleum distillates), 3, PGIII XL-703; Guide 128
MARINE - INTERNATIONAL MARINE DANGEROUS GOODS (IMDG/IMO):	UN1993, Combustible Liquid, N.O.S. (contains petroleum distillates), 3, PGIII XL-703; Guide 128
AIR - INTERNATIONAL AIR TRANSPORT ASSOCIATION (ICAO/IATA):	UN1993, Combustible Liquid, N.O.S. (contains petroleum distillates), 3, PGIII XL-703; Guide 128

Packaging Instructions - USDOT and IATA: Passenger Aircraft - Quantity Limitation: 60 Liters, Packaging Instructions: 309Y;  
Cargo Aircraft - Quantity Limitation: 220 Liters, Packaging 310

**Section 15 - Regulatory Information**

OSHA HAZARD COMMUNICATION STANDARD	This material is considered to be a physical and human hazard by the OSHA Hazardous Communication Standard 29 CFR 1910.1200
TSCA STATUS	All components listed, or are exempt
CANADIAN DSL STATUS	All components listed, or are exempt
SARA SECTION 302 and SECTION 304 STATUS	No component of this product is listed as an "Extremely Hazardous Substance"
CERCLA RQ amount	There is no CERCLA Reportable Quantity for a spill of this product.
SARA SECTION311/312 REPORTABLE HAZARD CATAGEORIES	Tier II reportable if stored in sufficient quantities
SARA SECTION 313 TOXIC RELEASE INVENTORY	This product does not contain SARA SECTION 313 listed substances at reportable levels

**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.*