

Safety Data Sheet

Section 1 - Chemical Product and Company Identification

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

Recommended Use:	Product Code
Penetrating Oil	L-7703

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 ELEMENTS:

HAZARD STATEMENTS: H227	Combustible liquid	Flammable Liquids - Category 2
H332	Harmful if Inhaled	Acute Toxicity: Inhalation - Category 4
H315	Causes Skin Irritation	Skin Corrosion / Irritation - Category 2
H320	Causes Eye Irritation	Serious Eye Damage / Eye Irritation - Category 2A
H371	Specific Target Organ Toxicity, Repeated Exposure	Narcotic Effects - Category 2
H304	May be Fatal if Swallowed and Enters Airways	Aspiration Hazard - Category 1
H401	Toxic to Aquatic Life	Acute Aquatic Toxicity - Category 2

PRECAUTIONARY STATEMENTS:

P202	Do Not Handle Until ALL Safety Precautions Have Been Read and Understood
P270	Do Not Eat, Drink, or Smoke When Using This Product
P264	Wash Hands Thoroughly After Handling
P281	Use All Personal Protective Equipment, as Required (See Section 8)
P210	Keep Away From Heat/Sparks/Open Flames/Hot Surfaces
P241	Use Explosion-Proof Electrical/Ventilating/Lighting Equipment
P242	Use Only Non-Sparking Tools
P404	Keep Container Tightly Closed
P261	Avoid Breathing Dust/Fumes/Gas/Mist/Vapors/Spray
P271	Use Only Outdoors or in a Well-Ventilated Area
P273	Avoid Release to the Environment

RESPONSE STATEMENTS:

P301	IF SWALLOWED: Immediately call a POISON CENTER or Physician. Do not induce vomiting
P302 + P353	IF ON SKIN (OR IN HAIR): Remove contaminated clothing. Rinse/Wash With Water / Shower. Seek Medical Attention if Irritation Develops; Launder Clothing Before Reuse
P304 + P340	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
P305 + P351 + P338	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.
P363	Wash Contaminated Clothing Before Reuse
P405	Store Locked Up
P501	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	Serious Eye Damage / Eye Irritation - Category 2A
Inhalation:	Harmful if Inhaled	Acute Toxicity: Inhalation - Category 2
Skin:	May Cause Irritation	Skin Corrosion / Irritation - Category 2
Ingestion:	May be Fatal if Swallowed and Enters Airways	Aspiration Hazard - Category 1

HMIS CODE INFORMATION:

	Health	Flammability	Reactivity / Instability	Personal Protection (PPE)
NFPA HAZARD ID	2	1	0	N/A
HMIS HAZARD ID	2	1	0	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 or 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 or 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		
FLAMABLE LIMITS (APPROXIMATE VOLUME % IN AIR):		LEL	Not Determined	UEL	Not Determined
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 CO2, 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	<p style="text-align: center;"><u>ACGIH TLV</u> TWA: 100 mg/m3, 8 hours (total hydrocarbons)</p>	<p style="text-align: center;"><u>OSHA PEL</u> No Data</p>	<p style="text-align: center;"><u>NIOSH IDLH</u> No Data</p>
ENGINEERING CONTROLS:	<p>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.</p> <p>Prohibit smoking in areas where product is stored or handled.</p>		
CONTROL MEASURES TO CONSIDER:	<p>Provide adequate ventilation and nearby emergency showers and eyewash stations.</p>		
PERSONAL PROTECTION:	<p>Wear chemical resistant, impermeable gloves, an impervious chemical apron, eye protection (chemical goggles) and an approved respirator.</p>		
RESPIRATORY PROTECTION:	<p>Use a NIOSH / MSHA approved air purifying respirator.</p>		
SKIN PROTECTION:	<p>Wear chemical resistant, impermeable gloves, and an impervious chemical apron.</p>		
EYE PROTECTION:	<p>Wear Chemical Resistant Safety Goggles. Avoid eye contact.</p>		
SPECIFIC HYGENE MEASURES:	<p>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.</p>		
ENVIRONMENTALS CONTROLS:	<p>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.</p>		

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.

<p>PHYSICAL FORM COLOR ODOR pH SPECIFIC GRAVITY SOLUBILITY IN WATER</p>	<p>Liquid Amber Petroleum N/A ~ 0.70-0.90 N/A</p>	<p>POUR POINT BOILING POINT FLASH POINT FLAMMABLE LIMITS, % in air VAPOR DENSITY, air = 1 EVAPORATION RATE, butyl acetate = 1</p>	<p>~ -15 C ~ 175 C ~ 67 C (~ 153 F) LEL: N/D UEL: N/D N/A N/A</p>
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Section 10 - Stability and Reactivity

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

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 THEY 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 (ICA/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 SECTION 311/312 REPORTABLE HAZARD CATEGORIES 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.