

Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Name	Viscosity Grades	Company Name:	Date:
Syn-Dyne 545 Fully Synthetic Anti-Wear/ Anti-Leak Hydraulic Oil	ISO 68	Reliant Technologies, Inc. 2933 Hwy 1 North Port Allen, Louisiana 70767	Revised 5/12/2015

Emergency Phone:	Product Code
225-383-7923	L-7545

Section 2 - Hazards Identification

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

GHS CLASSIFICATION This material is not hazardous according to regulatory guidelines (see SDS Section 15)

GHS LABEL ELEMENTS Symbol(s): None Signal Word: None Hazard Statements: None

HAZARD NOT OTHERWISE CLASSIFIED (HNOC): None as defined under 29CFR1910.1200

PHYSICAL / CHEMICAL HAZARDS: No significant hazards.

HEALTH HAZARDS: High pressure injection under skin may cause serious damage. Excessive exposure may result in eye, skin, or respiratory damage.

ENVIRONMENTAL HAZARDS: No significant hazards.

This material should never be used for any other purpose than the intended use in Section 1. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

Section 3 - Composition and Information on Ingredients

This material is defined as a mixture.

Composition	CAS #	% by Weight	GHS Codes
Synthetic Hydrocarbons	64742-54-7	<100%	H315, H318
Additive Mixture	Confidential	< 30%	H315, H318, H401, H411

As per paragraph (I) of 29CFR1910.1200, this formulation is considered a trade secret and specific chemical identity and exact composition percentages may be withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, emergency employees, or their designated representatives accordance with the provisions of paragraph (I).

Section 4 - First Aid Measures

FIRST AID	<p>INHALATION: Remove from further exposure. First responders should avoid exposure while providing assistance. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical attention. If breathing has stopped, provide artificial respiration until emergency personnel arrive</p> <p>CONTACT: Wash contact areas with soap and water. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment, within the first few hours, may significantly reduce the ultimate extent of the injury.</p> <p>EYE CONTACT: Flush with copious amounts of water for at least 15 minutes. Seek immediate medical attention</p> <p>INGESTION: First aid is not normally required unless large amounts are ingested. Seek medical attention if irritation or discomfort occurs.</p>
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Section 5 - Fire Fighting Measures

FLASH POINT:	> 300 F	METHOD:	ASTM D-92				
FLAMABLE LIMITS (APPROXIMATE VOLUME % IN AIR):		LEL	N/D	UEL		N/D	
FIRE EXTINGUISHING MEDIA:	Water fog, foam, dry chemical or CO2						
FIRE FIGHTING INSTRUCTIONS:	Evacuate area and prevent fire control runoff from entering streams or storm drains. Firefighters should use standard PPE in enclosed places, including self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.						
HAZARDOUS COMBUSTION PRODUCTS:	Aldehydes, sulfur oxides, incomplete combustion products, oxides of carbon, smoke						

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. Releases of oil are required to be reported when they exceed the applicable reportable quantity, or when they could reach any waterway, including intermittent dry creeks. The National Response Center number is (800) 424-8802
PROTECTIVE MEASURES:	Avoid contact with spilled material. Consult appropriate section of this SAFETY DATA SHEET. Additional protective measures may be necessary depending on the specific circumstances and/or the judgment of the emergency responders present on the scene.
SPILL MANAGEMENT:	ON LAND: Stop leak if this can be done without risk. Recover spill using pump, vacuum, or absorbant
	ON WATER: Stop leak if this can be done without risk. Confine the spill with containment booms. Warn shipping. Remove from water surface by skimming or with absorbants. Obtain regulatory permission prior to considering the use of dispersants.
ADDITIONAL SPILL CONSIDERATIONS:	The above recommendations are based on the most likely spill scenario, but geographic conditions, weather, and water conditions (wave, currents, etc) may affect the decision as to the most appropriate action to be taken. In addition, regulations may prescribe or limit the actions that may be taken. For this reason, expert spill response personnel should be consulted.
ENVIRONMENTAL PRECAUTIONS:	For large spills, dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways buildings, and confined areas.

Section 7 - Handling and Storage

HANDLING:	Avoid contact with used product. Prevent small spill and leaks to avoid a slip hazard. Product can accumulate static charges which may cause an electrical spark that can act as an ignition source. When the product is handled in bulk, an electrical spark could ignite any flammable vapors from liquids or residues that may be present (such as fuels). Use proper grounding procedures. Consult API paper "Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents" or NFPA 77 (Recommended Practice on Static Electricity" This material is a Static Accumulator
STORAGE:	The type of container or storage vessel may effect the static accumulation and dissipation. Do not store in open or unlabeled containers. Keep away from oxidizers and other incompatible materials.

Section 8 - Exposure Controls / Personal Protection

EXPOSURE LIMITS / STANDARDS FOR MATERIALS THAT CAN BE FORMED WHEN HANDLING THIS PRODUCT:	When mists or aerosols can occur, the following exposure limits are recommended: ACGIH TLV 5 mg/m3 (Inhalable Fraction) OSHA PEL 5 mg/m3
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NOTES: LIMITS / STANDARDS SHOWN ARE FOR GUIDANCE ONLY.
NO BIOLOGICAL LIMITS HAVE BEEN DETERMINED

ENGINEERING CONTROLS:	The levels of protection and types of controls necessary will vary, depending upon the conditions surround the use of the product.
CONTROL MEASURES TO CONSIDER:	No special requirements under ordinary use conditions, and provided there is adequate ventilation.
PERSONAL PROTECTION:	Personal protective equipment (PPE) selections vary based on potential exposure conditions, such as applications, handling practices, concentration, and ventilation. Information on the selection of PPE for use with this product, as provided below, is based upon intended, normal usage.
RESPIRATORY PROTECTION:	If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be needed. Respirator selection, use, and maintenance must be in accordance with all regulatory requirements, such as OSHA, MSHA, etc. There are no special respirator requirements under normal conditions of use, and with adequate ventilation. For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning devices are not in use, or if air purifying filter capacity/rating may be exceeded.
SKIN PROTECTION:	No specific protection is ordinarily required under normal conditions of use. If gloves are used, glove suitability will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection for your use conditions. Inspect and replace worn or damaged gloves. No special protective clothing is ordinarily required under normal conditions of use. In accordance with good industrial hygiene, precautions should be taken to avoid skin contact.
EYE PROTECTION:	Safety glasses with side shields. Maintain nearby eye wash stations in all work areas
SPECIFIC HYGIENE MEASURES:	Observe good personal hygiene. Wash after handling product and before eating, drinking, or smoking. Wash work clothes and PPE to remove contaminants. Discard clothes and shoes/boots that cannot be cleaned. 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	pH	N/A
COLOR	Amber	BOILING POINT	> 600 F
ODOR	Typical lubricant odor	FLASH POINT	> 300 F
pH	Not applicable	FLAMMABLE LIMITS, % in air	LEL: N/D UEL: N/D
SPECIFIC GRAVITY	< 1	VAPOR DENSITY, air = 1	< 1 at STP conditions
SOLUBILITY IN WATER	Negligible	EVAPORATION RATE	N/D

Section 10 - Stability and Reactivity

REACTIVITY:	Will combust, can be oxidized
STABILITY:	Stable under normal conditions of storage and use
CONDITIONS TO AVOID:	Excessive heat and all sources of ignition
MATERIALS TO AVOID:	Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS:	None
HAZARDOUS POLYMERIZATION:	Will not occur

Section 11 - Toxicological Information

INHALATION	ACUTE TOXICITY IRRITATION	Minimally toxic based on an assesement of the components Negligible hazard at normal, ambient handling temperatures.
INGESTION	ACUTE TOXICITY	Minimally toxic based on an assesement of the components
SKIN	ACUTE TOXICITY IRRITATION / CORROSION	Minimally toxic based on an assesement of the components Negligible irritation to skin at ambient temperatures.
EYE	SERIOUS DAMAGE / IRRITATION	May cause mild, short-term discomfort to eyes.
SENSITIZATION	RESPIRATORY TRACT SKIN	Not expexted to be a respiratory sensitizer Not expexted to be a skin sensitizer
ASPIRATION	RESPIRATORY TRACT	Not expected to be an aspiration hazard
GERM CELL MUTAGENICITY		Not expected to be a germ cell mutagen.
CARCINOGENICITY		Not expected to cause cancer.
REPRODUCTION TOXICITY		Not expected to be a reproductive toxicant
LACTATION		Not expected to cause harm to breast-fed children
SPECIFIC TARGET ORGAN TOXICITY	SINGLE EXPOSURE REPEATED EXPOSURE	Not expected to cause organ damage from a single exposure Not expected to cause organ damage from prolonged or repeated exposure
OTHER INFORMATION		Use good industrial hygiene practices

CONTAINS High purity synthetic base oils

Section 12 - Ecological Information

ECOTOXICITY	Not expexted to be harmful to aquatic organisms
MOBILITY	BASE OIL COMPONENT: Low solubility; floats on water and is expected to migrate from water to the land Expected to partition to sediment and wastewater solids

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:	Product is suitable for burning in an enclosed, controlled burner for fuel value or for disposal by supervised inceneration at very high temperatures to prevent the formation of undesirable combustion products. Dispose of used oil at designated sites. Minimize skin contact. Do not mix used oils with solvents, brake fluid, or coolants.
REGULATORY INFORMATION:	RCRA Information: The unused product is not listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor does it exhibit any hazardous waste characteristics. This product is not formulated with any contaminant as determined by the Toxic Characteristic Leaching Procedure (TCLP).
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.

DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, OR GRIND ON EMPTY CONTAINERS, OR EXPOSE THEM TO HEAT, SPARKS, A STATIC DISCHARGE, OR ANY OTHER SOURCE OF IGNITION. THIS COULD RESULT IN AN EXPLOSION CAUSING INJURY OR DEATH.

Section 14 - Transportation Information

LAND - US DEPARTMENT OF TRANSPORTATION		Not Regulated for Land Transport
LAND - CANADA TRANSPORTATION OF DANGEROUS GOODS		Not Regulated for Land Transport
SEA (INTERNATIONAL MARINE DANGEROUS GOODS		Not Regulated for Sea Transport
	MARINE POLLUTANT	No
AIR - INTERNATIONAL AIR TRANSPORT ASSOCIATION		Not Regulated for Air Transport

Section 15 - Regulatory Information

OSHA HAZARD COMMUNICATION STANDARD:	Not considered hazardous per OSHA HazCom 2012, 29 CFR 1910.1200
TSCA STATUS	All components listed, or are exempt
CANADIAN DSL STATUS	All components listed, or are exempt
EPCRA SECTION 302 STATUS	This material contains no extremely hazardous substances
SARA 311/312 REPORTABLE HAZARD CATEGORIES	None
SARA 313 TOXIC RELEASE INVENTORY	No components subject to requirements of SARA 313 Toxic Release Program

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
KEY TO "H" CODES CONTAINED IN SECTION 3:	H315	Can cause skin irritation
	H318	Can cause serious eye damage
	H401	Toxic to aquatic life
	H411	Toxic to aquatic life with long lasting effects

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.