

MATERIAL SAFETY DATA SHEET

SECTION1: MATERIAL IDENTIFICATION AND USE		FLAMMABILITY HEALTH	REACTIVITY PERSONAL PROTECTION
Material Name Identifier : Synthetic Universal A/C Lubricant & compressor oil			
Manufacturer's Name: QUALITY LIQUID PACKAGING			
Address: 50 Tiffield Road Unit 9			
City: Toronto	Province: Ontario		
Postal Code: M1V 5B7	Emergency Telephone# (416) 609-0828		
Trade Name & Synonyms PROP AO Rev222, R223		Material Use Lubricating oil	

SECTION 11 – COMPONENT INFORMATION		
CHEMICAL NAME	CAS REG NO	PERCENTAGE (%)
Synthetic hydrocarbon oil	Proprietary	>99%
UV Dye	Proprietary	<1%

SECTION 111 – POTENTIAL HEALTH EFFECTS FROM OVEREXPOSURE
Under normal conditions of use, this product is not considered hazardous according to regulatory guidelines
POTENTIAL HEALTH EFFECTS: No significant effects expected. To the best of our knowledge, the toxicological properties of these compounds have not been fully investigated. Analogous compounds are considered to be essentially non toxic

SECTION 1V — FIRST AID MEASURES
EYE: Flush eyes thoroughly with water. If irritation occurs and persists get immediate medical attention.
SKIN: Remove any contaminated clothing. Wash immediately with soap and water and rinse with large amounts of water. If irritation occurs and persists obtain immediate medical attention. If material is injected under the skin, get medical attention promptly to prevent serious damage; do not wait for symptoms to develop.
INHALATION: Not expected to be a problem. Move exposed person to a safe area with plenty of fresh air. Allow victim to rest in a well ventilated area then seek medical aid immediately.
INGESTION: Not expected to be a problem when ingested. If uncomfortable Obtain medical attention
Notes to Physician: Treatment should in general be symptomatic and directed to relieving any effects. Aspiration of the product is

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unlikely to occur except as the result of ingestion, followed by vomiting or regurgitation in a partially or totally unconscious individual, when immediate effects are most likely to result from the aspiration of acidic stomach contents. If this should occur transport casualty immediately to hospital.

SECTION V: FIRE FIGHTING MEASURES

This product is Combustible

Flash Point °C=OPEN >250CUP

Lower Explosive Limit ND

Unusual Hazards: burning fluid may evolve irritating/noxious fumes.

Extinguishing Media: Dry Chemical, Carbon Dioxide, Foam, Water Fog.

Protective Clothing: Fire fighters should use NIOSH/MNSA approved self –contained breathing apparatus and full protective gear.

Firefighting Instructions: Water or foam may cause frothing Use water to keep fire exposed containers cool Water Spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply, hot material.

SECTION V1:SPILL OR LEAK HANDLING PROCEDURES:

PERSONAL PROTECTION: Wear protective clothing including splash proof goggles, rubber gloves and rubber over shoes. Remove all contaminated clothing promptly.

PROCEDURES: Floor may be slippery. Use care to avoid falling. Contain spill immediately with inert material (e.g. sand earth) Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

SECTION V11 – HANDLING AND STORAGE

Handling: No special precautions are necessary beyond normal good hygiene practices. See section 8 for additional personal protection advice when handling this product.

Storage: Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

SECTION V111 EXPOSURE CONTROLS/PERSONAL PROTECTION MEASURES:

COMPONENT EXPOSURE LIMIT		OSHA		ACGIH		CARCINOGENIC
COMPONENT	UNITS	PEL	STEL	TLV	STEL	
Synthetic Hydrocarbon	Mg/m3	5-oil mist for 8 hour day		10 oil mist for 8 hour day		Non carcinogenic

Personal protective Equipment:

Eye Protection: Safety glasses (ANS Z87.1) or approved equivalent.

Skin protection: Strongly recommend protective gloves, especially for prolonged exposures. Gloves should be removed immediately if there is any indication of degradation or chemical breakthrough. Long sleeved clothing to minimize skin contact.

Inhalation: Use in well ventilated area. If mist is being generated and exceeds the TWA/TLV listed above than a respiratory program meeting OSHA 1910.134 and ANSI Z88.0 requirements must be followed.

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SECTION1X PHYSICAL AND CHEMICAL PROPERTIES:		
Characteristic	Method	Spec
Physical State	Visual	Liquid
Viscosity 40 C cSt	ASTM D445	66
Viscosity 100C cSt	ASTM D445	10
Viscosity Index	ASTM D2270	148
Pour Point °C	ASTM D97	-50
Flash Point COC °C(°F)	ASTM D92	>250
Water PPM	Karl Fischer	<50
Total Acid number MgKOH/g	ASTM D974	<0.05
Density @15°C	ASTM D 1298	0.835
Foam sec 1 mL, mL	ASTM D 892	70/0
Four –Ball Wear Scar	ASTM D 4172	<0.5

SECTIONX STABILITY AND REACTIVITY:	
Stability	Stable
Conditions to Avoid	Excessive heat Formation of oil mist
Material to avoid	Strong Oxidizers, caustic or acidic solutions such as liquid chlorine concentrated oxygen sodium hypochlorite, calcium hypochlorite, smoke on combustion, Cox etc.
Hazardous de composition	Thermal decomposition can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions. Incomplete combustion /thermal decomposition will generate smoke carbon dioxide and hazardous gases which include carbon monoxide.
Hazardous Polymerization	Will not Occur.

SECTIONX1 TOXICOLOGICAL INFORMATION:	
Oral Toxicity(Rats)	Practically non-toxic (LD 50 greater than 2000mg/kg –Based on testing of similar products and/or the components.
Dermal toxicity (Rabbits)	Practically non-toxic (LD 50 greater than 2000mg/kg –Based on testing of similar products and/or the components.
Inhalation Toxicity (Rats)	Practically non-toxic (LD 50 greater than 5mg/l–Based on testing of similar products and/or the components.
Eye Irritation (Rabbits)	Practically non-irritating (draize score 0 or greater but6 or less)–Based on testing of similar products and/or the components.
Skin Irritation (Rabbits)	Practically non-irritating. (Primary irritation index 0.5 or less)–Based on testing of similar products and/or the components.

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SECTION X11 ECOLOGICAL INFORMATION	
This assessment is based on information for representative substances.	
ECOTOXICITY:	This product is not expected to be harmful to aquatic organisms. (LL50 or EL50>100mg/L) This product is not expected to cause long term adverse effects based on chronic test data (Invertebrate daphnia magna NOEL>=100ppm) Based upon test data for a similar product.
MOBILITY:	Not established
PERSISTENCE AND DEGRADABILITY	Not established.
BIOACCUMULATIVE POTENTIAL	Not established.

SECTION X111 WASTE DISPOSAL
Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and recovery Act. In addition the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility . Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product

SECTION X1V REGULATORY INFORMATION				
Degree of Hazard	NFPA	HMIS	HAZARD RATINGS	
Health	0	0	0	Insignificant
Fire	1	1	1	Moderate
Reactivity	0	0	2	High

SECTION XV – PREPARATION DATE OF M.S.D.S.

THIS MSDS WAS PREPARED ON January 15, 2018
DISCLAIMER OF WARRANTY: The information contained herein is based upon data available to us and reflects our best professional judgment. However no warranty of merchantability fitness for any use or any other warranty is expressed or implied regarding the accuracy of such data. The results to be obtained from the use thereof or that any such use do not infringe any patent. Since the information contained herein may be applied to under conditions of use beyond our control and with which we may be unfamiliar, WE DO NOT ASSUME ANY RESPONSIBILITY FOR THE RESULTS OF SUCH APPLICATIONS. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose and circumstances.