



Material SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION	
PRODUCT	
Product Name:	PRO GLO Series Viscosities from ISO 46 – ISO 150 PRO GLO 46, PRO GLO 66, PAG 68, PRO GLO 100, PRO GLO 125, PRO GLO 150
Description:	Mixture Polyalkylene Synthetic Base Stock and Additives
Intended Use:	Lubricant, Compressor Lubricant
COMPANY IDENTIFICATION	
Supplier	Phoenix Mobile Air 2320 Apollo Circle Carrollton, TX 75006 USA +1-972-418-6444
Emergency telephone numbers	USA – Chemtrec: 800-424-9300 All Others – Chemtrec: +1-703-527-3887

SECTION 2: HAZARDS IDENTIFICATION																										
<p>This material is not considered to be hazardous according to regulatory guidelines see Section 15. Classification according to EU Directives 67/548/EEC or 1999/45/EC. This product is not classified as dangerous according to EC criteria.</p> <p>Our Company operates a world-wide system for hazard communication. Some hazards shown in Section 2 may apply to non-EU countries and may not result in classification and labeling in the EU. Please see Section 3 and 15 for country specific classification information, and Section 11 for additional details.</p>																										
HEALTH HAZARDS																										
2.1 Hazard Classification: Not hazardous.																										
2.2 Label Elements Including Precautionary Statements																										
Symbol: None.																										
Signal Word: None.																										
Hazard Risk Statement: Not hazardous.																										
Precautionary Statement: Avoid contact with skin and eyes.																										
<p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>IF ON SKIN: Wash with plenty of soap and water.</p>																										
2.3 Other Hazard: None known.																										
U.S.A. Hazardous Material Information System and National Fire Protection Association (U.S.A.)																										
<table border="1"> <thead> <tr> <th>Degree of Hazard</th> <th>NFPA</th> <th>HMIS</th> <th colspan="2">HAZARD RATINGS</th> </tr> </thead> <tbody> <tr> <td>Health</td> <td>1</td> <td>1</td> <td>0</td> <td>Insignificant</td> </tr> <tr> <td>Fire</td> <td>1</td> <td>1</td> <td>1</td> <td>Slight</td> </tr> <tr> <td>Reactivity</td> <td>0</td> <td>0</td> <td>2</td> <td>Moderate</td> </tr> <tr> <td>Personal Protection</td> <td></td> <td>B</td> <td>3</td> <td>High</td> </tr> </tbody> </table>		Degree of Hazard	NFPA	HMIS	HAZARD RATINGS		Health	1	1	0	Insignificant	Fire	1	1	1	Slight	Reactivity	0	0	2	Moderate	Personal Protection		B	3	High
Degree of Hazard	NFPA	HMIS	HAZARD RATINGS																							
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Reactivity	0	0	2	Moderate																						
Personal Protection		B	3	High																						
<p>Note : This information is based on test data from similar products.</p> <p>This product is not formulated to contain ingredients which have exposure limits established by regulatory agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives. Low order of toxicity. Excessive exposure may result in eye, skin, or respiratory irritation. High-pressure injection under skin may cause serious damage.</p>																										

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Note: This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

SECTION 3: COMPONENT INFORMATION

3.2 Classification/Preparation: Mixture
 Other Manner of Identification: Not Applicable

Cas # and other Identifiers

Chemical Name	CAS #	EINECs/ELINKs #	Percent (% wt)	Symbols /Risk Phrases
Polyalkylene Glycol	Proprietary	NL	0 – 97%	None Required
Proprietary additives			0 – 3%	None Required

Reportable Hazardous Substance(s) or Complex Substance(s)

None

Explanation of symbols:
 No Classification Required,

INGREDIENT COMMENTS

If no EINECs/ELINKs or no CAS numbers are given for classified components the raw material supplier has applied for / will apply for exemption, have not sent the complete information yet , or there could be no obligation to give the EU or CAS numbers.

SECTION 4 : FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation:	Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.
Skin:	Wash with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops get medical attention.
Eye:	Flush thoroughly with water. If irritation occurs, get medical assistance.
Ingestion:	First aid is normally not required. Seek medical attention if discomfort occurs.

4.2 Most important symptoms and effects, both acute and delayed

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), no additional symptoms and effects are anticipated.

Indication of immediate medical attention and special treatment needed

May cause asthma-like (reactive airways) symptoms. Bronchodilators, expectorants, antitussives and corticosteroids may be of help. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.
 Repeated excessive exposure may aggravate preexisting lung disease.

SECTION 5 : FIRE FIGHTING PROCEDURES

5.1 Extinguishing Media

	Appropriate Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.
	Inappropriate Extinguishing Media: Straight streams of water



5.2 Special hazards arising from the substance or mixture													
Hazardous Combustion Products:	Smoke, Fume, Carbon Monoxide, Aldehydes,												
Unusual Fire and Explosion Hazards:	Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.												
5.3 Advice for firefighters													
Fire Fighting Procedures	Fire Fighting Instructions: Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.												
Special Protective Equipment for Firefighters:	Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.												
5.4 FLAMMABILITY PROPERTIES	<p>Flash Point ASTM D92 (open cup) °C (°F)</p> <table border="1"> <tr> <td>PRO GLO 46</td> <td>238(460)</td> <td>PRO GLO 100</td> <td>218(425)</td> </tr> <tr> <td>PRO GLO 55</td> <td>238(460)</td> <td>PRO GLO 125</td> <td>218(425)</td> </tr> <tr> <td>PRO GLO 68</td> <td>218(425)</td> <td>PRO GLO 150</td> <td>235 (455)</td> </tr> </table> <p>Flammable Limits (Approximate volume % in air): LEL: N/D UEL: N/D Autoignition Temperature: N/D</p>	PRO GLO 46	238(460)	PRO GLO 100	218(425)	PRO GLO 55	238(460)	PRO GLO 125	218(425)	PRO GLO 68	218(425)	PRO GLO 150	235 (455)
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SECTION 6 : ACCIDENTAL RELEASE MEASURES (SPILL OR LEAK HANDLING PROCEDURES)	
6.1 Personal precautions, protective equipment and emergency procedures:	
Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection. Refer to Section 7, Handling, for additional precautionary measures.	
6.2 Environmental precautions:	
Large Spills: Dyke far ahead of liquid spill for later recovery and disposal. Prevent from entering into soil, ditches, sewers, basements or confined areas, waterways and/or groundwater. See Section 12, Ecological Information.	
6.3 Methods and materials for containment and cleaning up:	
Contain spilled material if possible. Collect in suitable and properly labeled containers. See Section 13, Disposal Considerations, for additional information.	
Land Spill: Stop leak if you can do so without risk. Recover by pumping or with suitable absorbent.	
Water Spill: Stop leak if you can do so without risk. Confine the spill immediately. Warn other shipping.	
Note: Local regulations may prescribe or limit action to be taken.	

SECTION 7 : HANDLING AND STORAGE	
7.1 Precautions for safe handling	
General Handling	No special precautions required.
Other Precautions	Spills of these organic materials on hot fibrous insulations may lead to lowering of the autoignition temperatures possibly resulting in spontaneous combustion. Prevent small spills and leakage to avoid slip hazard. Static Accumulator: This material is not a static accumulator.
7.2 Conditions for safe storage, including any incompatibilities Storage	
Storage	Do not store in open or unlabeled containers. Store in the following material(s): 316 stainless steel. Carbon steel. Glass-lined container.



	<p>Polypropylene. Polyethylene-lined container. Stainless steel. Teflon. This material may soften and lift certain paint and surface coatings. Use product promptly after opening. Store in original unopened container. Unopened containers of material stored beyond the recommended shelf life should be retested against the sales specifications before use. Additional storage and handling information on this product may be obtained by calling your sales or customer service contact.</p> <p>Shelf life: Use within 24 Months</p>
7.3 Specific end uses	See the technical data sheet on this product for further information.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters	
Exposure Limits	<p>None Established</p> <p>Exposure limits/standards for materials that can be formed when handling this product: When mists / aerosols can occur, the following are recommended: 5 mg/m³ - ACGIH TLV, 10 mg/m³ - ACGIH STEL.</p> <p>Note: Information about recommended monitoring procedures can be obtained from the relevant agency(ies)/institute(s)</p>
8.2 Exposure controls	
Personal Protection	<p>Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.</p> <p>Eye Face Protection: If contact is likely, safety glasses with side shields are recommended.</p> <p>Skin and Body Protection: Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include: No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.</p> <p>Hand Protection: Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include: No protection is ordinarily required under normal conditions of use.</p> <p>Specific Hygiene Measures Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.</p> <p>Respiratory Protection: Under intended handling conditions, no respiratory protection should be needed.</p> <p>Ingestion: Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.</p>
Engineering Controls	<p>No special requirements under ordinary conditions of use and with adequate ventilation</p> <p>Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.</p>
Environmental Controls	See Sections 6, 7, 12, 13.

SECTION 9 : PHYSICAL & CHEMICAL PROPERTIES

.9.1 Information on basic physical and chemical properties	
General Information	(Health Safety and Environmental Information)



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Physical State	Liquid	Flash Point typical °C (°F)	See Section 5
Color	Flourescent Green	Flammable Limits	Lower: No test data available Upper: No test data available
Odor	Characteristic	Flammability (solid, gas)	Not applicable to liquids
Odor Threshold	ND	Autoignition Temperature:	ND
pH	5 – 8 ASTM E70 (10% in water)	Vapor Density (Air=1)	> 2 at 101 kPa
Melting Point	No Data	Vapor Pressure	< 0.013 kPa (0.1 mm Hg) at 20°C
Freezing Point	ND (See Pour Point)	Decomposition Temperature	ND
Boiling Point °C (°F)	.>250 (482) calculated	Organic Volatiles	0.0 g/l EPA 24 method
Density at 20°C	0.97-1.062	Evaporation Rate (N-Butyl Acetate = 1):	ND
Viscosity cSt at 40C +/- 10%		(typical)	<3 typical
PRO GLO 46	50	PRO GLO 100	100
PRO GLO 55	50	PRO GLO 125	130
PRO GLO 68	65	PRO GLO 150	150
		Solubility in Water	Appreciable
		Oxidizing Properties	See Sections 3, 15, 16.

SECTION 10 : STABILITY & REACTIVITY

10.1 Reactivity	No dangerous reaction known under conditions of normal use.
10.2 Chemical stability	Thermally stable at recommended temperatures and pressures.
10.3 Possibility of hazardous reactions	Polymerization will not occur.
10.4 Conditions to Avoid:	Exposure to elevated temperatures can cause product to decompose. Generation of gas during decomposition can cause pressure in closed systems. High energy sources of ignition.
10.5 Incompatible Materials:	Avoid contact with: Strong acids. Strong bases. Strong oxidizers.
10.6 Hazardous decomposition products	Material does not decompose at ambient temperatures. Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Aldehydes. Alcohols. Ethers. Hydrocarbons. Ketones. Organic acids. Polymer fragments.

SECTION 11: TOXICOLOGICAL INFORMATION (base fluid)

<p>Repeated Dose Toxicity Mist may cause irritation of upper respiratory tract (nose and throat) and lungs.</p> <p>Chronic Toxicity and Carcinogenicity For the major component(s): Similar material(s) did not cause cancer in laboratory animals.</p> <p>Developmental Toxicity No relevant information found.</p> <p>Reproductive Toxicity No relevant information found.</p> <p>Genetic Toxicology No relevant information found.</p>



SECTION 12 : ECOLOGICAL INFORMATION

The information given is based on data available for the material, the components of the material, and similar materials.

12.1 TOXICITY

Material -- Not expected to be harmful to aquatic organisms.

Material is not classified as dangerous to aquatic organisms (LC50/EC50/IC50/LL50/EL50 greater than 100 mg/L in most sensitive species).

Fish Acute & Prolonged Toxicity – Typical for the polyalkylene glycol

LC50, fathead minnow (*Pimephales promelas*), static, 96 h: 15,000 to 24,500 mg/l

Aquatic Invertebrate Acute Toxicity

EC50, water flea *Daphnia magna*, static, 48 h, immobilization: 5,400 to 21,000 mg/l

Toxicity to Micro-organisms

IC50, OECD 209 Test; bacteria, static, 16 h: 32,000 to 40,000 mg/l

12.2 PERSISTENCE and DEGRADABILITY

Based on information for a similar material: Biodegradation under aerobic static laboratory conditions is moderate (BOD20 or BOD28/ThOD between 10 and 40%) for inherent biodegradability. ISO Viscosity Grades up to 68 are expected to be readily biodegradable. Viscosity Grade 100 and higher are not expected to be readily biodegradable. Material is inherently biodegradable (reaches > 20% biodegradation in OECD test(s) for inherent biodegradability).

12.3 BIOACCUMULATION POTENTIAL

Base oil component -- Potential to bioaccumulate is low because of the relatively high water solubility.

12.4 MOBILITY IN SOIL

Base oil component -- Expected to remain in water or migrate through soil.

12.5 RESULTS of PBT and vPvB ASSESSMENT

This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

12.6 OTHER ADVERSE EFFECTS

This substance is not in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT RECOMMENDATIONS

Any disposal practice must be in compliance with all local and national laws and regulations. Do not dump into any sewers, on the ground, or into any body of water.

OTHER DISPOSAL RECOMMENDATIONS

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

REGULATORY DISPOSAL INFORMATION

European Waste Code: 13 02 06

NOTE: These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use. Waste producers need to assess the actual process used when generating the waste and its



contaminants in order to assign the proper waste disposal code(s).

This material is considered as hazardous waste pursuant to Directive 91/689/EEC on hazardous waste, and subject to the provisions of that Directive unless Article 1(5) of that Directive applies.

Empty Container Warning Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.**

SECTION 14 : TRANSPORT INFORMATION

LAND (ADR/RID) : Not Regulated for Land Transport

INLAND WATERWAYS (ADNR) : Not Regulated for Inland Waterways Transport

SEA (IMDG) : Not Regulated for Sea Transport according to IMDG-Code

AIR (IATA) : Not Regulated for Air Transport

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Europe

Material is not dangerous as defined by the EU Dangerous Substances/Preparations Directives.

EU LABELING: Not regulated according to EC Directives

Germany: Water Hazardous Class (WGK): 1 (special considerations – soluble)

United States

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances: None.

Section 304 CERCLA Hazardous Substances: None.

Canada

WHMIS (Canadian Workplace Hazardous Materials Information System)

This product when tested as a whole is not a controlled substance within the meaning of the Hazardous Products Act.

NATIONAL LEGISLATION / REGULATIONS

Ozone depleting chemicals: No ozone depleting chemicals are present or used in manufacture.

REGULATORY STATUS AND APPLICABLE LAWS AND REGULATIONS

Complies with the following national/regional chemical inventory requirements:

AICS, IECSC, DSL, EINECS, ENCS, KECI, PICCS, TSCA

<p>Detail U.S. Regulations</p>	<p>US INVENTORY (TSCA 8b): Listed on inventory. SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355):: This product is not regulated under Section 302 of SARA and 40 CFR Part 355. SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370):: Defined as non-hazardous by OSHA under 29 CFR 1910.1200(d). SARA 313 toxic chemical notification and release reporting: No products were found. CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4):: This material is not regulated under CERCLA Sections 103 and 107.</p>
<p>State Regulations</p>	<p>No products were found. California prop. 65: No products were found</p>

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15.2 Chemical Safety Assessment

Not applicable.

SECTION 16: OTHER INFORMATION

This product safety data sheet was prepared in compliance with Commission Directive 2001/58/EC , 91/155/EEC, 67/548/EEC and 1999/45/EC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labeling of dangerous substances and preparations. This product data sheet complies with US standards

N/D = Not determined, N/A = Not applicable

KEY TO THE RISK CODES CONTAINED IN SECTION 2 AND 3 OF THIS DOCUMENT (for information only):

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:

6 June 2011: Update to GHS Format and Address, Company Name and Logo change.

21 Dec 2011: Update "Other" data in Section 2.

28 September 2012 Update to Section 9, reformatting of sections and subsection numbers

Date of ISSUE/Printing 18 April 2018

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