

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 05/03/2013 Supersedes:05/02/2013

Version: 1.2

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SECTION 1: Identification of the	e substance/mixture and	l of the company/undertaking	
1.1. Product identifier			
Product form	: Mixtures		
Trade name	: NL-PAG R-134a REF	RIGERANT PLUS PAG OIL W/UV DYE	
Product code	: NL-PAG		
1.2. Relevant identified uses of the	e substance or mixture and us	es advised against	
Use of the substance/mixture	: Polyalkylene Glycol b	ased lubricant with ultraviolet leak detection dye to l plus refrigerant charge.	nelp detect leaks in air
4.2 Details of the supplier of the s	3,		
1.3.Details of the supplier of the sTire Seal, Inc.3574 Corona Street33461 Lake Worth, Florida - USAT 561-582-2245 - F 561-582-1499www.supercool.ac			
1.4. Emergency telephone number	r		
Emergency number	: (352) 472-7295	MENTAL Contract No. 10-057	
<b>SECTION 2: Hazards identificat</b>	ion		
2.1. Classification of the substanc	e or mixture		
Classification (GHS-US) Not classified			
2.2. Label elements			
GHS-US labeling			
No labeling applicable			
2.3. Other hazards			
Other hazards not contributing to the classification	: Contains gas under p	ressure; may burst if heated.	
2.4. Unknown acute toxicity (GHS	US)		
No data available			
<b>SECTION 3: Composition/inform</b>	nation on ingredients		
3.1. Substances			
Not applicable Full text of H-phrases: see section 16			
3.2. Mixtures			
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<b>SECTION 4: First aid measures</b>			
4.1. Description of first aid measu	res		
First-aid measures general	the eyes or skin. Gros	re. "Frostbite-like" effects may occur if the liquid or or ss inhalation over exposure may cause: Central ner sion, incoordination, drowsiness or unconsciousness	ous system depressio
First-aid measures after inhalation		resh air. If not breathing give artificial respiration, pr difficult give oxygen. Get medical attention.	eferably mouth-to-
First-aid measures after skin contact	Get medical attention	mediately flush skin with plenty of soap and water for . Remove contaminated clothing and shoes, and lau or creams to replace lost skin oils. Treat for frostbite a.	Inder before reuse. Us
First-aid measures after eye contact	: In case of contact, or	suspected contact, immediately flush eyes with pler edical attention immediately after flushing.	nty of water for at least
First-aid measures after ingestion		MITING. Give nothing by mouth. Get medical atten hips to prevent aspiration.	tion! If vomiting occurs
4.2. Most important symptoms and	d effects, both acute and delay	yed	
Symptoms/injuries		ent a significant hazard under anticipated conditions	of normal use.
Symptoms/injuries after inhalation		m depression. Dizziness. Mental confusion.	
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4.3. Indication of any immediate medica	al attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
	: Water fog, carbon dioxide, foam, dry chemical. Use water spray to keep containers cool that are exposed to heat or flames.
5.2. Special hazards arising from the su	ibstance or mixture
No additional information available	
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
<b>SECTION 6: Accidental release mea</b>	sures
6.1. Personal precautions, protective ed	quipment and emergency procedures
General measures	: Warning!! Contents under pressure. Container may rupture under fire conditions. Decomposition may occur. Wear approved positive-pressure self-contained breathing apparatus and protective clothing.
6.1.1. For non-emergency personnel Protective equipment	: Wear appropriate protective clothing and equipment to prevent skin and eye contact.
6.1.2. For emergency responders No additional information available	
6.2. Environmental precautions	
No additional information available	
6.3. Methods and material for containme	ent and cleaning up
For containment	: Increase area ventilation. Do not puncture or incinerate container. Contents under pressure.
6.4. Reference to other sections	
See Heading 8. Exposure controls and personal	l protection.
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: CAUTION: COMPRESSED GAS. Do not puncutre, incinerate or store above 120 F. Do not store in passenger compartment of automobile. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Avoid contact with skin and eyes. Should not be mixed with air for leak testing or used for any other purpose above atmospheric pressure.
7.2. Conditions for safe storage, includi	ing any incompatibilities
Storage conditions	: Do not store above 120 F.
Storage temperature	: 49 °C Do not store in passenger compartment of automobiles.
Storage area	: Store in a dry area. Store in a cool area.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/pers	sonal protection
8.1. Control parameters	
8.2. Exposure controls	
Appropriate engineering controls	: Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Showers. Eyewash stations.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Insulated gloves.
Eye protection	: Wear safety glasses or goggles to protect against exposure.
Skin and body protection	: Avoid skin contact. Wear protective clothing and gloves.
Respiratory protection	: Use in a well ventilated area.
Other information	: When using, do not eat, drink or smoke.
<b>SECTION 9: Physical and chemical</b>	properties
9.1. Information on basic physical and o	chemical properties
Physical state	: Liquid
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Appearance	: Clear, colorless liquid or gas at ambient temperatures.
Color	: Green-Yellow Tint.
Odor	: characteristic.
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: -26.5 °C
Flash Point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available
9.2. Other information	
No additional information available	
<b>SECTION 10: Stability and reactivit</b>	у
10.1. Reactivity	
No additional information available	

#### 10.2. Chemical stability

Stable under normal conditions. Stable under normal temperatures and pressures.

10.3. Possibility of hazardous reactions

Hazardous Polymerization: WILL NOT OCCUR.

#### 10.4. Conditions to avoid

Do not expose to heat or store at temperatures above 120 F.

#### 10.5. Incompatible materials

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No additional information available

#### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. This material can be decomposed by high temperatures forming hydrofluoric acid and possibly carbonyl fluoride.

SECTION 11: Toxicological information				
11.1. Information on toxicological effects				
Acute toxicity	: Not classified			
Skin corrosion/irritation	: Not classified			
Serious eye damage/irritation	: Not classified			
Respiratory or skin sensitization	: Not classified			
Germ cell mutagenicity	: Based on available data, the classification criteria are not met			
Carcinogenicity	: (Not expected to cause cancer. This oil meets the IP-346 criteria of less than 3 percent PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.)			
Reproductive toxicity	: Based on available data, the classification criteria are not met			
Specific target organ toxicity (single exposure)	: Not classified			
Specific target organ toxicity (repeated exposure)	: Based on available data, the classification criteria are not met			
Aspiration hazard	: Based on available data, the classification criteria are not met			
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Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: Central nervous system depression. Dizziness. Mental confusion.
<b>SECTION 12: Ecological informatio</b>	n
12.1. Toxicity	
No additional information available	
12.2. Persistence and degradability	
NL-PAG R-134a REFRIGERANT PLUS PAG	OIL W/UV DYE
Persistence and degradability	Not established.
12.3. Bioaccumulative potential	
NL-PAG R-134a REFRIGERANT PLUS PAG	OIL W/UV DYE
Bioaccumulative potential	Not established.
12.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	
Other information	: Avoid release to the environment.
SECTION 13: Disposal consideration	ons
13.1. Waste treatment methods	
Waste disposal recommendations	: Disposal should be made in accordance with federal, state and local regulations.
SECTION 14: Transport information	
In accordance with ADR / RID / ADNR / IMDG	
14.1. UN number	
UN-No.(DOT)	: 1950
14.2.         UN proper shipping name           DOT Proper Shipping Name	: Aerosols
DOT Proper Shipping Name	LTD QTY
Department of Transportation (DOT) Hazard Classes	: 2.2 - Class 2.2 - Non-flammable compressed gas 49 CFR 173.115
Hazard labels (DOT)	: Limited Quantity
14.3. Additional information	
Overland transport	
No additional information available	
Transport by sea	
No additional information available	
Air transport	
No additional information available	
SECTION 15: Regulatory information	hn
15.1. US Federal regulations	
No additional information available	
15.2. International regulations	
CANADA	
No additional information available	
EU-Regulations	
No additional information available	

No additional information available

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Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC Not classified

15.2.2. National regulations

No additional information available

#### 15.3. US State regulations

No additional information available

### **SECTION 16: Other information**

NFPA health hazard	: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.	
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.	
NFPA reactivity	: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.	

SDS US (GHS HazCom 2012) - TSI

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