

Dye

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 11/11/2016 Supersedes:08/28/2014

SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. **Product identifier** Trade name : P150-8D PAG Refrigeration Lubricant 150 + U/V Dye Product code : P150-8D Relevant identified uses of the substance or mixture and uses advised against 1.2. Use of the substance/mixture : Polyalkylene Glycol based lubricant with ultraviolet leak detection dye to help detect leaks in air conditioning systems. 1.3. Details of the supplier of the safety data sheet Tire Seal, Inc. 3574 Corona Street 33461 Lake Worth, Florida - USA T 561-582-2245 - F 561-582-1499 www.supercool.ac 1.4. **Emergency telephone number** Emergency number : USA PHONE:1-800-373-7542, INT'L: 1-484-951-2432 DGA/AAG ENVIRONMENTAL CONTRACT: DGA4000-048 SECTION 2: Hazards identification Classification of the substance or mixture 2.1. **Classification (GHS-US)** Not classified 2.2. Label elements **GHS-US** labeling No labeling applicable 2.3. Other hazards No additional information available 2.4 Unknown acute toxicity (GHS-US) No data available SECTION 3: Composition/information on ingredients Substance 3.1. Not applicable Full text of H-phrases: see section 16 3.2. Mixture SECTION 4: First aid measures Description of first aid measures 4.1. : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical First-aid measures general advice (show the label where possible). First-aid measures after inhalation Assure fresh air breathing. Allow the victim to rest. First-aid measures after skin contact Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. First-aid measures after eye contact Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Most important symptoms and effects, both acute and delayed 4.2. : Not expected to present a significant hazard under anticipated conditions of normal use. Symptoms/injuries Indication of any immediate medical attention and special treatment needed 4.3.

 SECTION 5: Firefighting measures

 5.1. Extinguishing media

 Suitable extinguishing media
 : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

 Unsuitable extinguishing media
 : Do not use a heavy water stream.

No additional information available

Version: 2.1

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5.2. Special hazards arising from the s	ubstance 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. Prevent fire-fighting water from entering environment. Do not enter fire area without proper protective equipment, including respiratory protection. 				
Protection during firefighting					
SECTION 6: Accidental release me	asures				
6.1. Personal precautions, protective e	equipment and emergency procedures				
6.1.1. For non-emergency personnel					
Emergency procedures	: Evacuate unnecessary personnel.				
6.1.2. For emergency responders					
Protective equipment	: Equip cleanup crew with proper protection.				
Emergency procedures	: Ventilate area.				
6.2. Environmental precautions					
Prevent entry to sewers and public waters. Not	ify authorities if liquid enters sewers or public waters. Avoid release to the environment.				
6.3. Methods and material for containing	nent and cleaning up				
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.				
6.4. Reference to other sections					
See Heading 8. Exposure controls and person	al protection.				
SECTION 7: Handling and storage					
7.1. Precautions for safe handling					
Precautions for safe handling	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.				
7.2. Conditions for safe storage, include	ding any incompatibilities				
Storage conditions	: Keep container closed when not in use.				
Incompatible products	: Strong bases. Strong acids.				
	: Sources of ignition. Direct sunlight.				
Incompatible materials	: Sources of ignition. Direct sunlight.				
Incompatible materials 7.3. Specific end use(s)	: Sources of ignition. Direct sunlight.				
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Freezing point	:	No data available
Boiling point	:	> 200 °C Calculated
Flash point	:	204 °C Closed Cup
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	:	124 - 139 cSt @40ºC
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

SECTION 10: Stability and reactivity	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
Not established.	
10.3. Possibility of hazardous reactions	
Not established.	
10.4. Conditions to avoid	
Direct sunlight. Extremely high or low temperature	S.
10.5. Incompatible materials	
Strong acids. Strong bases.	
10.6. Hazardous decomposition products	
Carbon monoxide. Carbon dioxide.	
SECTION 11: Toxicological information	bn
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
2,6-di-tert-butyl-p-cresol (128-37-0)	
LD50 oral rat	890 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; >6000 mg/kg bodyweight; Rat)
LD50 dermal rat	> 2000 mg/kg (Rat; Literature study; OECD 402: Acute Dermal Toxicity; >2000 mg/kg bodyweight; Rat; Experimental value)
ATE (oral)	890.000 mg/kg body weight
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 classified
2,6-di-tert-butyl-p-cresol (128-37-0)	
IARC group	3
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.

SECTION 12: Ecological information				
12.1. Toxicity				
Ecology - water	: Toxic to aquatic life.			
2,6-di-tert-butyl-p-cresol (128-37-0)				
LC50 fish 1	0.199 mg/l (96 h; Pisces)			
EC50 Daphnia 1	0.48 mg/l (48 h; Daphnia magna; GLP)			
Threshold limit algae 1	 > 0.4 mg/l (72 h; Scenedesmus subspicatus; GLP) 			
Threshold limit algae 2	0.363 mg/l (Algae; Chronic)			
12.2. Persistence and degradability				
P150-8D PAG Refrigeration Lubricant 150 + U				
Persistence and degradability	Not established.			
· ·				
tricresyl phosphates, mixture of isomers, cor Persistence and degradability	Readily biodegradable in water.			
2,6-di-tert-butyl-p-cresol (128-37-0)	headily biologiadable in water.			
Persistence and degradability	Not readily biodegradable in water. Biodegradable in the soil. Adsorbs into the soil. Low			
r ersistence and degradability	potential for mobility in soil. Photooxidation in the air.			
Biochemical oxygen demand (BOD)	0.51 g O ² /g substance			
Chemical oxygen demand (COD)	2.27 g O ² /g substance			
ThOD	2.977 g O ² /g substance			
BOD (% of ThOD)	0.17 % ThOD			
12.3. Bioaccumulative potential				
P150-8D PAG Refrigeration Lubricant 150 + U	/V Dve			
Bioaccumulative potential	Not established.			
tricresyl phosphates, mixture of isomers, cor	c o-tricresvl nhosnhate>95% (1330-78-5)			
Log Pow	5.11 (Experimental value)			
2,6-di-tert-butyl-p-cresol (128-37-0)				
BCF fish 1	230 - 2500 (56 days; Cyprinus carpio)			
Log Pow	5.1 (Experimental value)			
Bioaccumulative potential	Potential for bioaccumulation (500 \leq BCF \leq 5000).			
12.4. Mobility in soil				
·				
2,6-di-tert-butyl-p-cresol (128-37-0)	May be bermful to plant growth, blooming and fruit formation			
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.			
12.5. Other adverse effects				
Other information	: Avoid release to the environment.			
SECTION 13: Disposal consideration				
· · · · · · · · · · · · · · · · · · ·				
13.1. Waste treatment methods				
	Dispose in a safe manner in accordance with local/national regulations.			
Ecology - waste materials	: Avoid release to the environment.			
SECTION 14: Transport information				
In accordance with ADR / RID / IMDG / IATA / AD	N			
14.1. UN number				
Not applicable				
Not applicable				
14.3. Additional information				
Other information	: No supplementary information available.			
Overland transment				
Overland transport				
Not regulated				
Transport by sea				
Not regulated				

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Air transport Not regulated						
i iot iogulatou						
SECTION 15: Regula	tory information					
15.1. US Federal regulation	ons					
No additional information av	vailable					
15.2. International regulat	tions					
CANADA						
P150-8D PAG Refrigerat	tion Lubricant 150 + U/V Dy	е				
WHMIS Classification	Cla	ss D Division 2 Subdivision B -	Toxic material causing other tox	cic effects		
EU-Regulations No additional information av						
Classification according t Not classified	to Regulation (EC) No. 1272	2/2008 [CLP]				
Classification according t	to Directive 67/548/EEC or	1999/45/EC				
15.2.2. National regulation No additional information as						
15.3. US State regulations	3					
	on Lubricant 150 + U/V Dye					
U.S California - Propositio		No				
U.S California - Propositio Toxicity	on 65 - Developmental	No				
U.S California - Propositio Toxicity - Female	on 65 - Reproductive	No				
U.S California - Propositio Toxicity - Male	on 65 - Reproductive	No				
	ture of isomers, conc o-trici	resyl phosphate>95% (1330-78	-5)			
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)		
No	No	No	No			
2,6-di-tert-butyl-p-cresol (
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)		
No	No	No	No			

NFPA health hazard

NFPA fire hazard NFPA reactivity

- : 1 Exposure could cause irritation but only minor residual injury even if no treatment is given.
- : 1 Must be preheated before ignition can occur.
- : 0 Normally stable, even under fire exposure conditions, and are not reactive with water.



SDS US (GHS HazCom 2012) - TSI

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