

# P100-8D PAG Refrigeration Lubricant 100 + UV

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

	Revision date: 11/11/2016	Supersedes:08/	28/2014	Version: 2.1
SECTION 1: Identificatio	on of the substance/mixture and	l of the company/u	ndertaking	
1.1. Product identifier		for the company/u	nuentaking	
Trade name	· P100-8D PAG Befrige	eration Lubricant 100 + L		
Product code	: P100-8D		JV Dye	
		and a shafe and a surface t		
1.2. Relevant identified u Use of the substance/mixture	ises of the substance or mixture and us	Ŭ	violot look dotoo	tion due to help detect looks in air
Use of the substance/mixture	conditioning systems.		noiel leak delec	tion dye to help detect leaks in air
	er of the safety data sheet			
Tire Seal, Inc. 3574 Corona Street 33461 Lake Worth, Florida - US 7 561-582-2245 - F 561-582-14 www.supercool.ac				
1.4. Emergency telephon	e number			
Emergency number		73-7542, INT'L: 1-484-9	51-2432	
		MENTAL CONTRACT: D		
SECTION 2: Hazards ide	entification			
2.1. Classification of the	substance or mixture			
Classification (GHS-US)				
Not classified				
2.2. Label elements				
GHS-US labeling				
No labeling applicable				
2.3. Other hazards				
No additional information availa	ble			
2.4. Unknown acute toxic				
No data available				
SECTION 3: Compositio	n/information on ingredients			
3.1. Substance				
Not applicable				
Full text of H-phrases: see secti	on 16			
3.2. Mixture		•••		
Name	Product ident		%	Classification (GHS-US)
2,6-di-tert-butyl-p-cresol	(CAS No) 128-37	-0	0.1 - 1	Acute Tox. 4 (Oral), H302
SECTION 4: First aid me	asures			
4.1. Description of first a	id measures			
First-aid measures general	: Never give anything b advice (show the labe		ous person. If yo	ou feel unwell, seek medical
First-aid measures after inhalati		hing. Allow the victim to		
First-aid measures after skin co	ntact : Remove affected clot by warm water rinse.	hing and wash all expose	ed skin area witl	n mild soap and water, followed
First-aid measures after eye cor	ntact : Rinse immediately wit persist.	th plenty of water. Obtair	n medical attenti	on if pain, blinking or redness
First-aid measures after ingestic	on : Rinse mouth. Do NO	Finduce vomiting. Obtain	n emergency me	edical attention.
4.2. Most important sym	ptoms and effects, both acute and delay			
Symptoms/injuries	: Not expected to prese	ent a significant hazard u	nder anticipated	d conditions of normal use.
4.3. Indication of any imp	mediate medical attention and special tr	reatment needed		
No additional information availa	ole			
<b>SECTION 5: Firefighting</b>	measures			
5.1. Extinguishing media				
			<b>o</b> ·	

Suitable extinguishing media

: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

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Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising fro	om the substance 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.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental relea	se measures
	tective equipment and emergency procedures
6.1.1. For non-emergency person	nnel
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection. : Ventilate area.
Emergency procedures	
6.2. Environmental precaution	
Prevent entry to sewers and public wa	ters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.
6.3. Methods and material for o	containment and cleaning up
Methods for cleaning up	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Colle spillage. Store away from other materials.
6.4. Reference to other section	S
See Heading 8. Exposure controls and	I personal protection.
SECTION 7: Handling and st	orage
7.1. Precautions for safe hand	ing
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 formatior of vapor.
7.2. Conditions for safe storag	e, including any incompatibilities
Storage conditions	: Keep container closed when not in use.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure contro	bls/personal protection
8.1. Control parameters	
2,6-di-tert-butyl-p-cresol (128-37-0	
	, iH TWA (mg/m³) 2 mg/m³
8.2. Exposure controls	
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	<ul> <li>The use of gloves impervious to the specific material handled is advised to prevent skin contact. Suggested protective material: Nitrile, 4.5 mil thickness, tested at 3.5 ml and above with no breakthrough time after 240 minutes.</li> </ul>
Eye protection	: Chemical goggles or safety glasses.

Eye protection	: Chemical goggles or safety glasses.	
Respiratory protection	: Normally not required. Where there is potential for airborne exposure above the exposure lim an approved air purifying respirator equipped with Type R or P95 particle filters may be used.	
Other information	: Do not eat, drink or smoke during use.	

9.1. Information on basic physical and	I chemical properties	
Physical state	: Liquid	
Appearance	: Clear.	
Color	: Reddish Green Tint.	
Odor	: Characteristic.	
Odor threshold	: No data available	
DH	: No data available	
Relative evaporation rate (butyl acetate=1)	: No data available	
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6 6 9	
Melting point	: No data available
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	: 84 - 106 cSt @40ºC
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

### **Other information** 9.2.

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 temperatures.
10.5. Incompatible materials
Strong acids. Strong bases.
10.6. Hazardous decomposition products
Carbon monoxide. Carbon dioxide.

### **SECTION 11: Toxicological information**

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
pecific target organ toxicity (repeated xposure)	: Based on available data, the classification criteria are not met

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Aspiration hazard

symptoms

: Based on available data, the classification criteria are not met

Potential Adverse human health effects and

: 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	
P100-8D PAG Refrigeration Lubricant 100 + U	V Dve
Persistence and degradability	Not established.
tricresyl phosphates, mixture of isomers, con	I.
Persistence and degradability	Readily biodegradable in water.
2,6-di-tert-butyl-p-cresol (128-37-0)	
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 <sup>2</sup> /g substance
Chemical oxygen demand (COD)	2.27 g O <sup>2</sup> /g substance
ThOD	2.977 g O <sup>2</sup> /g substance
BOD (% of ThOD)	0.17 % ThOD
12.3. Bioaccumulative potential	
P100-8D PAG Refrigeration Lubricant 100 + U	V Dve
Bioaccumulative potential	Not established.
tricresyl phosphates, mixture of isomers, con	c atricrasyl nhasnhata 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 ( $500 \le BCF \le 5000$ ).
12.4. Mobility in soil	
,	
2,6-di-tert-butyl-p-cresol (128-37-0)	May be beyonded to plant everythe blacksing and for it forwarding
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.
12.5. Other adverse effects	
Other information	: Avoid release to the environment.
CENTION 40. Diseased as a side wation of	
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Waste disposal recommendations	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 / ADI	N
14.1. UN number	·
Not applicable	
14.2. UN proper shipping name	
Not applicable	
14.3. Additional information	
Other information	No supplementary information available.
Overland transport	
Not regulated	
Transport by sea	
Not regulated	
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0 0		,	0		
Air transport					
Not regulated					
<b>SECTION 15: Regula</b>	atory information				
15.1. US Federal regulati	ons				
No additional information a	available				
15.2. International regula	tions				
CANADA					
P100-8D PAG Refrigera	tion Lubricant 100 + UV	Dye			
WHMIS Classification		Class	D Division 2 Subdivision B - To	xic material causing other tox	c effects
EU-Regulations No additional information a	available				
Classification according Not classified	to Regulation (EC) No.	1272/2	008 [CLP]		
<b>Classification according</b>	to Directive 67/548/EEC	or 19	99/45/EC		
<b>15.2.2.</b> National regula No additional information a					
15.3. US State regulation	S				
P100-8D PAG Refrigerati	on Lubricant 100 + UV	Dye <b>()</b>			
U.S California - Proposit	ion 65 - Carcinogens List	1	No		
U.S California - Proposit Toxicity	ion 65 - Developmental	١	No		
U.S California - Proposit Toxicity - Female	ion 65 - Reproductive	١	No		
U.S California - Proposit Toxicity - Male	ion 65 - Reproductive	١	No		
		-tricres	yl phosphate>95% <b>(1330-78-5)</b>		
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxic	ity	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 Toxic	ity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)

### SECTION 16: Other information

No

Other information	: None.
Full text of H-phrases: see section 16:	
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
H302	Harmful if swallowed
NEPA health hazard	: 1 - Exposure could cause irritation but only minor residual
	: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA health hazard	

No

No

### SDS US (GHS HazCom 2012) - TSI

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