

**Product Identification Santotrac® 332FG Traction Lubricant**

**Date of issue** 26.05.2019

**Supersedes:** 24.01.2017

Version 2021

**1. Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Product form: Mixture  
Trade name: Santotrac® 332FG Traction Lubricant

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**1.2.1. Relevant identified uses**

Industrial/Professional use spec: Industrial  
For professional use only  
Use of the substance/mixture: Lubricant

**1.2.2. Uses advised against**

No additional information available

**1.3 Details of the supplier of the safety data sheet**

SantoLubes LLC  
PO Box 6740 Ph. +1 864-596-1553  
Spartanburg, SC 29304 – United States Email sburian@santolubes.com

Eckert AG, Lochrütistrasse 16 Ph. +41 55 253 5090  
CH – 8633 Wolfhausen Email info@eckert.swiss

**1.4 Emergency telephone number**

National Swiss Emergency Phone: +41 145  
Non urgent inquiry: Swiss poisons information centre : +41(0)44 251 66 66, Email: info@toxi.ch

**2. Hazards identification**

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No. 1272/2008 [CLP]  
H315 (may cause respiratory irritation), H319 (Causes eye irritation)  
Full text of H-phrases: see section 16

**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

R36/38 (Irritating to eyes and skin), R65 (May cause lung damage if swallowed)  
Full text of R-phrases: see section 16

**Adverse physicochemical, human health and environmental effects**

No additional information available

**2.2 Label elements**

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



Signal word (CLP):

Hazardous ingredients :

Hazard statements (CLP):

Precautionary statements (CLP):

Warning

Distillates (petroleum), hydrotreated heavy paraffinic, Distillates, petroleum, hydrotreated middle

H316, H335, H320

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P280 - Wear eye protection, protective clothing, protective gloves

P308+P313 - IF exposed or concerned: Get medical advice/attention

P405 - Store locked up

P501 - Dispose of contents/container to comply with applicable local, national and international regulation.

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<b>2.3 Other hazards</b> No additional information available			
<b>3. Composition/information on ingredients</b>			
<b>3.1 Substance</b> 1,1'-(1,1,3-trimethylpropane-1,3-diyl)bis(cyclohexane) (<85%w) EC No. 254-227-7 CAS No. 38970-72-8			
<b>3.2 Mixture</b>			
Name	Product identifier	%	Classification according to Directive 67/548/EEC
Distillates (petroleum), hydrotreated heavy paraffinic*	(CAS No) 64742-54-7 (EC no) 265-157-1 (EC index no) 649-467-00-8	0.5 - 1.2	Xn; R65
Distillates (petroleum), solvent-dewaxed heavy paraffinic	(CAS No) 64742-65-0 (EC no) 265-169-7 (EC index no) 649-474-00-6		
Distillates (petroleum), solvent-dewaxed light paraffinic	(CAS No) 64742-56-9 (EC no) 265-159-2 (EC index no) 649-469-00-9		
Zinc bis[bis(dodecylphenyl)] bis(dithiophosphate)	(CAS No) 54261-67-5 (EC no) 259-048-8	0 - 1	R52/53
Phenol, (tetrapropenyl) derivatives	(CAS No) 74499-35-7 (EC no) 616-100-8	0 - 0.2	Repr.Cat.2; R60 Xi; R36/38 N; R50/53
Distillates, petroleum, hydrotreated middle	CAS No) 64742-46-7 (EC no) 265-148-2 (EC index no) 649-221-00-X	0 - 0.1	Notes N & L apply
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated heavy paraffinic*	(CAS No) 64742-54-7 (EC no) 265-157-1 (EC index no) 649-467-00-8	0.5 - 1.2	Asp. Tox 1, H304
Distillates (petroleum), solvent-dewaxed heavy paraffinic	(CAS No) 64742-65-0 (EC no) 265-169-7 (EC index no) 649-474-00-6		
Distillates (petroleum), solvent-dewaxed light paraffinic	(CAS No) 64742-56-9 (EC no) 265-159-2 (EC index no) 649-469-00-9		
Zinc bis[bis(dodecylphenyl)] bis(dithiophosphate)	(CAS No) 54261-67-5 (EC no) 259-048-8	0 - 1	Aquatic Chronic 3, H412
Phenol, (tetrapropenyl) derivatives	(CAS No) 74499-35-7 (EC no) 616-100-8	0 - 0.2	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 1B, H360F Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Distillates, petroleum, hydrotreated middle	(CAS No) 64742-46-7 (EC no) 265-148-2 (EC index no) 649-221-00-X	0 - 0.1	Notes N & L apply
* Distillates (petroleum), hydrotreated heavy paraffinic (EC No. 265-157-1), distillates (petroleum), solvent-dewaxed heavy paraffinic (EC 265-169-7) and distillates (petroleum), solvent-dewaxed light paraffinic (EC 265-159-2) are used as interchangeable oils at the same concentration range.			
Full text of R- and H-phrases: see section 16			
<b>4. First Aid Measures</b>			
<b>4.1 Description of first aid measures</b>			
First-aid measures general:		Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).	

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<p>First-aid measures after inhalation:</p> <p>First-aid measures after skin contact:</p> <p>First-aid measures after eye contact:</p> <p>First-aid measures after ingestion:</p> <p><b>4.2 Most important symptoms and effects, both acute and delayed</b></p> <p>Symptoms/injuries:</p> <p>Symptoms/injuries after inhalation:</p> <p>Symptoms/injuries after skin contact:</p> <p>Symptoms/injuries after eye contact:</p> <p><b>4.3 Indication of any immediate medical attention and special treatment needed</b></p> <p>Treat symptomatically.</p>	<p>Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.</p> <p>Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse.</p> <p>Rinse immediately with plenty of water for 15 minutes. Obtain medical attention if pain, blinking or redness persist.</p> <p>Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.</p> <p>May cause eye and respiratory irritation.</p> <p>Unlikely route of exposure.</p> <p>Should not be irritating to skin.</p> <p>May cause moderate irritation.</p>
<p><b>5. Firefighting Measures</b></p> <p><b>5.1 Extinguishing media</b></p> <p>Suitable extinguishing media:</p> <p>Unsuitable extinguishing media:</p> <p><b>5.2 Special hazards arising from the substance or mixture</b></p> <p>Hazardous decomposition products in case of fire:</p> <p><b>5.3. Advice for firefighters</b></p> <p>Firefighting instructions:</p> <p>Protective equipment for firefighters:</p>	<p>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</p> <p>Do not use a heavy water stream.</p> <p>Carbon dioxide. Carbon monoxide. Low molecular weight hydrocarbons. Fume.</p> <p>Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.</p> <p>Prevent fire-fighting water from entering environment.</p> <p>Do not enter fire area without proper protective equipment, including respiratory protection.</p>
<p><b>6. Accidental release measures</b></p> <p><b>6.1 Personal precautions, protective equipment and emergency procedures</b></p> <p>General measures:</p> <p><b>6.1.1. For non-emergency personnel</b></p> <p>Protective equipment:</p> <p>Emergency procedures:</p> <p><b>6.1.2. For emergency responders</b></p> <p>Protective equipment:</p> <p>Emergency procedures:</p> <p><b>6.2. Environmental precautions</b></p> <p>Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.</p> <p><b>6.3. Methods and material for containment and cleaning up</b></p> <p>Methods for cleaning up:</p> <p><b>6.4. Reference to other sections</b></p> <p>See Heading 8. Exposure controls and personal protection.</p>	<p>Avoid contact with skin, eyes and clothing.</p> <p>Use personal protective equipment as required.</p> <p>Evacuate unnecessary personnel.</p> <p>Equip cleanup crew with proper protection.</p> <p>Ventilate area.</p>
<p><b>7. Handling and Storage</b></p> <p><b>7.1 Precautions for safe handling</b></p>	

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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 vapour. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

**7.2. Conditions for safe storage, including any incompatibilities**

Storage conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.  
 Incompatible materials: Strong oxidizing agents.

**7.3. Specific end use(s)**

No additional information available.

**8. Exposure control and personal protection**

**8.1. Control parameters**

**2,6-di-tert-butyl-p-cresol (128-37-0)**

Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	30 mg/m <sup>3</sup> (calculated)
Switzerland	VME (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable)

**8.2. Exposure controls**

Appropriate engineering controls: Ensure adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.  
 Personal protective equipment: Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.  
 Hand protection: Wear protective gloves  
 Eye protection: Chemical goggles or safety glasses  
 Skin and body protection: Wear suitable protective clothing  
 Respiratory protection: If the occupational exposure limit is exceeded: Wear appropriate mask  
 Other information: Do not eat, drink or smoke during use.

**9. Physical and Chemical Properties**

**9.1. Information on basic physical and chemical properties**

Physical state: Liquid  
 Appearance: Clear to slightly hazy yellow liquid.  
 Colour: Yellow.  
 Odour: Faint odor.  
 Odour threshold: No data available  
 pH: No data available  
 Rel. evaporation rate (butyl acetate=1): No data available  
 Melting point: No data available  
 Freezing point: No data available  
 Boiling point: No data available  
 Flash point: No data available  
 Auto-ignition temperature: No data available  
 Decomposition temperature: No data available  
 Flammability (solid, gas): Non flammable  
 Vapour pressure: No data available  
 Relative vapour density at 20 °C: No data available  
 Relative density: No data available  
 Density: 0.88 - 0.92 g/cm<sup>3</sup> @ 25°C  
 Solubility: Water: Very low @ 25°C  
 Log Pow: No data available  
 Viscosity, kinematic: 32 cSt @ 100°F  
 Viscosity, dynamic: No data available  
 Explosive properties: No data available  
 Oxidising properties: No data available  
 Explosive limits: No data available

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<p><b>9.2 Other Data</b> No additional information available.</p>	
<p><b>10. Stability and reactivity</b></p> <p><b>10.1 Reactivity</b> The product is stable at normal handling and storage conditions.</p> <p><b>10.2 Chemical stability</b> The product is stable at normal handling and storage conditions.</p> <p><b>10.3. Possibility of hazardous reactions</b> Hazardous polymerization will not occur.</p> <p><b>10.4. Conditions to avoid</b> Not applicable.</p> <p><b>10.5. Incompatible materials</b> No additional information available</p> <p><b>10.6. Hazardous decomposition products</b> Thermal decomposition generates: Fume. Carbon monoxide. Carbon dioxide. Low molecular weight hydrocarbons.</p>	
<p><b>11. Toxicological Information</b></p> <p><b>11.1 Information on toxicological effects</b></p> <p>Acute toxicity: Not classified Based on available data, the classification criteria are not met.</p> <p><b>Santotrac® 332FG Traction Lubricant</b> LD50 oral rat &gt; 15800 mg/kg LD50 dermal rabbit &gt; 7940 mg/kg</p> <p><b>2,6-di-tert-butyl-p-cresol (128-37-0)</b> LD50 oral rat 890 mg/kg LD50 oral 650 mg/kg (mouse) LD50 dermal rat &gt; 2000 mg/kg</p> <p>Skin corrosion/irritation: Not classified Based on available data, the classification criteria are not met</p> <p>Serious eye damage/irritation: Not classified Based on available data, the classification criteria are not met</p> <p>Respiratory or skin sensitisation: Not classified Based on available data, the classification criteria are not met</p> <p>Germ cell mutagenicity: Not classified Based on available data, the classification criteria are not met</p> <p>Carcinogenicity: May cause cancer.</p> <p>Reproductive toxicity: Not classified Based on available data, the classification criteria are not met</p> <p>Specific target organ toxicity (single exposure): Not classified Based on available data, the classification criteria are not met</p> <p>Specific target organ toxicity (repeated exposure): Not classified Based on available data, the classification criteria are not met</p> <p>Aspiration hazard: Not classified Based on available data, the classification criteria are not met</p> <p><b>Santotrac® 332FG Traction Lubricant</b> Viscosity, kinematic 32 mm<sup>2</sup>/s @ 100°F</p> <p>Potential Adverse human health effects and symptoms: Based on available data, the classification criteria are not met.</p>	

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**12. Ecological Information**

**12.1 Toxicity**

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LC50 fish 1 > 1000 mg/l (Exposure time: 96 h - Species: Fathead minnow)

**12.2 Persistence and degradability**

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Persistence and degradability: Biodegradability of this material was classified as slow to resistant.

Biodegradation: 7 – 21% 24-hour semi-continuous activated sludge test (SCAS)

**12.3. Bioaccumulative potential**

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Bioaccumulative potential The bioaccumulation potential in bluegill sunfish was measured over a 32-day period. It was determined that this material has a moderate potential to bioaccumulate in this aquatic species.

**12.4. Mobility in soil**

No additional information available

**12.5. Results of PBT and vPvB assessment**

No additional information available

**12.6. Other adverse effects**

Additional information: Avoid release to the environment

**13. Disposal Considerations**

**13.1 Waste treatment methods**

Waste disposal recommendations: Dispose of contents/container to comply with applicable local, national and International regulation.

Ecology - waste materials: Avoid release to the environment.

**14. Transport Information**

In accordance with ADR / RID / IMDG / IATA / ADN

**14.1. UN number**

Not regulated for transport

**14.2. UN proper shipping name**

Proper Shipping Name (ADR): Not applicable

Proper Shipping Name (IMDG): Not applicable

Proper Shipping Name (IATA): Not applicable

Proper Shipping Name (ADN): Not applicable

Proper Shipping Name (RID): Not applicable

**14.3. Transport hazard class(es)**

**ADR**

Transport hazard class(es) (ADR): Not applicable

**IMDG**

Transport hazard class(es) (IMDG): Not applicable

**IATA**

Transport hazard class(es) (IATA): Not applicable

**ADN**

Transport hazard class(es) (ADN): Not applicable

**RID**

Transport hazard class(es) (RID): Not applicable

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**14.4. Packing group**

Packing group (ADR):	Not applicable
Packing group (IMDG):	Not applicable
Packing group (IATA):	Not applicable
Packing group (ADN):	Not applicable
Packing group (RID):	Not applicable

**14.5. Environmental hazards**

Dangerous for the environment:	No
Marine pollutant:	No
Other information:	No supplementary information available

**14.6. Special precautions for user****14.6.1. Overland transport**

No additional information available

**14.6.2. Transport by sea**

No additional information available

**14.6.3. Air transport**

No additional information available

**14.6.4. Inland waterway transport**

Not subject to ADN:                      No

**14.6.5. Rail transport**

Carriage prohibited (RID):              No

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**15. Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

Contains no substances with Annex XVII restrictions  
Santotrac® 332FG Traction Lubricant is not on the REACH Candidate List  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out

**16. Other Data**

Abbreviations and acronyms:

ATE - acute toxicity estimate  
CAS - Chemical Abstracts Service  
CLP - Classification, Labelling and Packaging  
CSR - Chemical Safety Report  
EEC - European Economic Community  
GHS - Globally Harmonised System  
PBT - Persistent, Bioaccumulative and Toxic substance  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals  
STEL- Short-Term Exposure Limit  
TWA- Time Weighted Average  
vPvB - Very Persistent and Very Bioaccumulative

Sources of Key data:

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances

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and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information:                      None.

## Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1B	Carcinogenicity, Category 1B
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H350	May cause cancer
H360F	May damage fertility
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R36/38	Irritating to eyes and skin
R45	May cause cancer
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R60	May impair fertility
R65	Harmful: may cause lung damage if swallowed
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

## SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*