# SAFETY DATA SHEET

XÙŠÁ€HG XÙŠÁ€ÎÌ XÙŠÁF€€Á



Section 1. Identifi	Section 1. Identification		
Product identifier	: XÙŠÆHG XÙŠÆÎÌ XÙŠÆF€€Á		
Product code	: Not available.		
Other means of identification	: Not available.		
Product type	: Liquid.		
Relevant identified uses of t	the substance or mixture and uses advised against		
Product use	: Lubricant.		
Area of application	: Consumer applications.		
Supplier/Manufacturer	: Óĭ∙&@ÁÚ¦[åĭ\œ[}•ÁÕ{àP Ù&@eĕā]• æ)å•dæi^ÁF ïJÎÌJÁTæĕ àĭ¦* V^ ÈEÆEIJÁGEDÁIÎGGAÎÌFËEÁ		
e-mail address of person responsible for this SDS	: info@chemical-check.de; k.schnurbusch@chemical-check.de		
Emergency telephone number (with hours of operation)	: ÉIJÁÇ€DÁ €€ÁZÁGI ÁFFGÁFFGÁÇÓÚÔD		

# Section 2. Hazard(s) identification

Classification of the substance or mixture	Not classified.	
GHS label elements		
Signal word	No signal word.	
Hazard statements	No known significant effects or critical hazards.	
Precautionary statements		
General	P103 - Read label before use. P102 - Keep out of reach of children. P101 - If medical advice is needed, have product container or label at hand.	
Prevention	Not applicable.	
Response	Not applicable.	
Storage	Not applicable.	
Disposal	Not applicable.	
Supplemental label elements	Not applicable.	
Other hazards which do not result in classification	None known.	

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# Section 3. Composition and ingredient information

### Substance/mixture

# Other means of identification

- : Mixture
- : Not available.

Ingredient name	% (w/w)	CAS number	
2,6-di-tert-butyl-p-cresol	≤3	128-37-0	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

### **Description of necessary first aid measures**

Eye contact	<ul> <li>Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.</li> </ul>
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	<ul> <li>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</li> </ul>
Ingestion	: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed

Potential acute healt	<u>h effects</u>	
Eye contact	: No known significant effects or critical hazards.	
Inhalation	: No known significant effects or critical hazards.	
Skin contact	: No known significant effects or critical hazards.	
Ingestion	: No known significant effects or critical hazards.	
Over-exposure signs/symptoms		
Eye contact	: No specific data.	
Inhalation	: No specific data.	
Skin contact	: No specific data.	
Ingestion	: No specific data.	

### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.

### See toxicological information (Section 11)

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# Section 5. Firefighting measures

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Extinguishing media	
Suitable extinguishing media	: In case of fire, use water spray (fog), foam, dry chemical or CO <sub>2</sub> .
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides Toxic gases
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	<ul> <li>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</li> </ul>
Remark	: Not considered to be a product presenting a risk of explosion.

# Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and material for cor	nta	inment and cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-

combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for

# Section 7. Handling and storage

### Precautions for safe handling

Protective measures	:	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

# Section 8. Exposure controls and personal protection

### **Control parameters**

#### **Occupational exposure limits**

Ingredient name	Exposure limits		
2,6-di-tert-butyl-p-cresol	Safe Work Australia (Australia, 4/2018). TWA: 10 mg/m³ 8 hours.		

Appropriate engineering controls	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some

controlsthey comply with the requirements of environmental protection legislation. In some<br/>cases, fume scrubbers, filters or engineering modifications to the process<br/>equipment will be necessary to reduce emissions to acceptable levels.

#### Individual protection measures

Other skin protection	<ul> <li>before handling this product. Recommended: Long-sleeved protective clothing.</li> <li>Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be</li> </ul>
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist
Skin protection Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. 4 - 8 hours (breakthrough time): Recommended: Chemical- resistant gloves., Nitrile gloves., Polyvinyl alcohol (PVA) gloves. (≥ 0.5 mm). Protective hand cream.
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

# Section 8. Exposure controls and personal protection

**Respiratory protection** 

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: Upon oil mist formation: Filter A P2

# Section 9. Physical and chemical properties

Appearance	
Physical state	: Liquid.
Colour	: Clear.
Odour	: Characteristic.
Odour threshold	: Not available.
рН	: Not available.
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Closed cup: 235 to 238°C (455 to 460.4°F)
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not applicable.
Lower and upper explosive	: Not available.
(flammable) limits	
Vapour pressure	: Not available.
Vapour density	: Not available.
Relative density	: Not available.
Density	: 0.832 to 0.848 g/cm <sup>3</sup>
Solubility	: Not available.
Partition coefficient: n- octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): 0.345 to 0.985 cm <sup>2</sup> /s (34.5 to 98.5 cSt)
Flow time (ISO 2431)	: Not available.

# Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerisation will not occur.
Conditions to avoid	: Protect from humidity.
Incompatible materials	: Reactive or incompatible with the following materials: oxidising materials, acids and alkalis.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
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# Section 11. Toxicological information

#### Information on toxicological effects **Acute toxicity** : Not available. **Conclusion/Summary** Irritation/Corrosion **Product/ingredient name** Result **Species Score Exposure** Observation Eves - Mild irritant Rabbit 2,6-di-tert-butyl-p-cresol \_ Skin - Mild irritant Rabbit **Conclusion/Summary** Skin : Not available. Eyes : Not available. : Not available. Respiratory **Sensitisation** Result **Product/ingredient name Route of Species** exposure 2,6-di-tert-butyl-p-cresol skin Human Not sensitizing **Conclusion/Summary** Skin : Not available. : Not available. Respiratory **Mutagenicity Product/ingredient name** Test **Experiment** Result 2,6-di-tert-butyl-p-cresol Ames Test Experiment: In vitro Negative Subject: Bacteria 476 In vitro Mammalian Experiment: In vitro Negative Cell Gene Mutation Test Subject: Mammalian-Animal **Conclusion/Summary** : Not available. **Carcinogenicity Conclusion/Summary** : Not available. **Reproductive toxicity** Maternal **Product/ingredient name Fertility Developmental Species** Dose **Exposure** toxicity toxin Oral: 100 2,6-di-tert-butyl-p-cresol Rat - Male, Female mg/kg NOAEL Mouse Oral: 500 mg/kg NÖAËL **Conclusion/Summary** : Not available. **Teratogenicity Conclusion/Summary** : Not available. Specific target organ toxicity (single exposure) Not available. Specific target organ toxicity (repeated exposure) Not available. **Aspiration hazard** Not available. Date of issue/Date of revision : 17/03/2021 6/10 Date of previous issue :02/04/2020 Version :2

# Section 11. Toxicological information

Information on likely routes of exposure	:	Routes of entry anticipated: Oral, Dermal, Inhalation.
Potential acute health effects		
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<u>Short term exposure</u>			
Potential immediate effects	:	Not available.	
Potential delayed effects	1	Not available.	
<u>Long term exposure</u>			
Potential immediate effects	:	Not available.	
Potential delayed effects	:	Not available.	
Potential chronic health effects			

Product/ingredient name	Result	Species	Dose	Exposure
2,6-di-tert-butyl-p-cresol	Chronic NOAEL Oral	Rat	25 mg/kg	28 days; 7 days per week
General	: No known significant effects or critical hazards.			
Carcinogenicity	: No known significant effects or critical hazards.			
Mutagenicity	: No known significant effects or critical hazards.			
Reproductive toxicity	4			

### **Numerical measures of toxicity**

Acute toxicity estimates

N/A

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# Section 12. Ecological information

### **Toxicity**

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# Section 12. Ecological information

Product/ingredient name	Result	Species	Exposure
2,6-di-tert-butyl-p-cresol	EC50 0.758 mg/l	Algae	72 hours
	EC50 0.48 mg/l	Daphnia	48 hours
	LC50 0.199 mg/l	Fish	96 hours
	NOEC 0.24 mg/l	Algae	72 hours
	NOEC 0.069 mg/l	Daphnia	21 days
	NOEC 0.053 mg/l	Fish	30 days

**Conclusion/Summary** : Not available.

### Persistence and degradability

Conclusion/Summary	: Not available.
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### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
2,6-di-tert-butyl-p-cresol	5.1	330 to 1800	high

### **Mobility in soil**

Soil/water partition	: Not available.
coefficient (Koc)	

Other adverse effects

: No known significant effects or critical hazards.

### Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

# Section 14. Transport information

	ADG	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class(es)	-	-	-	-
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.

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# Section 14. Transport information

# Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available. to IMO instruments

## Section 15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons
Not regulated.
Model Work Health and Safety Regulations - Scheduled Substances
No listed substance
Australia inventory (AIIC) : Not determined.
International regulations
Chemical Weapon Convention List Schedules I, II & III Chemicals
Not listed.
Montreal Protocol
Not listed.
Stockholm Convention on Persistent Organic Pollutants
Not listed.
Rotterdam Convention on Prior Informed Consent (PIC)
Not listed.

### **UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

### Section 16. Any other relevant information

History	
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Prepared by	: Chemical Check GmbH
Key to abbreviations	<ul> <li>ADG = Australian Dangerous Goods</li> <li>ADR = The European Agreement concerning the International Carriage of</li> <li>Dangerous Goods by Road</li> <li>ATE = Acute Toxicity Estimate</li> <li>BCF = Bioconcentration Factor</li> <li>GHS = Globally Harmonized System of Classification and Labelling of Chemicals</li> <li>IATA = International Air Transport Association</li> <li>IBC = Internediate Bulk Container</li> <li>IMDG = International Maritime Dangerous Goods</li> <li>LogPow = logarithm of the octanol/water partition coefficient</li> <li>MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)</li> <li>N/A = Not available</li> <li>SUSMP = Standard Uniform Schedule of Medicine and Poisons</li> <li>UN = United Nations</li> </ul>
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### Section 16. Any other relevant information

### Procedure used to derive the classification

Classification		Justification	
Not classified.			
References	<ul> <li>Work Health and Safety Regulations 2011, as ammended Preparation of Safety Data Sheets for Hazardous Chemicals, Code of Practice, Safe Work Australia Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG), National Transport Commission</li> </ul>		

**V** Indicates information that has changed from previously issued version.

#### Notice to reader

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.