

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 24.06.2021

**XONOL GREEN +**

Product code: XON000035

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

XONOL GREEN +

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

##### Use of the substance/mixture

High-performance cooling lubricant, mineral oil-free.

#### 1.3. Details of the supplier of the safety data sheet

Company name:	Hiessl Schmiertechnik GmbH		
Street:	Am See 16		
Place:	D- 72663 Grossbettlingen		
Telephone:	+49 (0)7022-244423-0	Telefax:	+49 (0)7022-244423-20
Contact person:	Jürgen Hiessl	Telephone:	+49 (0)7022-244423-10
Internet:	www.hiessl.de		
Responsible Department:	Department of Quality Assurance, Safety and Environmental Protection		

#### 1.4. Emergency telephone number:

Accessible during office between 8:00 am to 4:30 pm.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008

Hazard categories:

Respiratory or skin sensitisation: Skin Sens. 1B

Hazard Statements:

May cause an allergic skin reaction.

The product has to be labeled in accordance with Regulation (EC) No. 1272/2008 [CLP]

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Hazard components for labelling

di-tert-dodecyl-pentasulfid

Signal word: Warning

##### Pictograms:



##### Hazard statements

H317 May cause an allergic skin reaction.

##### Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container to the disposer.

##### Additional advice on labelling

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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**2.3. Other hazards**

May cause sensitization in susceptible people.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Mixture based on fatty acid esters and additives.

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
68425-15-0	di-tert-dodecyl-pentasulfid			10 %
	270-335-7			
	Skin Sens. 1B; H317			

Full text of H and EUH statements: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated, saturated clothing immediately.

**After inhalation**

Move victim to fresh air. Put victim at rest and keep warm.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

**After contact with eyes**

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink plenty of water.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Water fog. Foam.

**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**

Nitrogen oxides (NOx). Carbon monoxide

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Keep away from unprotected people. Keep upwind.

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### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

### 6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### **Advice on safe handling**

Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes.

#### **Advice on protection against fire and explosion**

Usual measures for fire prevention.

#### **Further information on handling**

Use only in well-ventilated areas. Handle and open container with care. Shafts and sewers must be protected from entry of the product.

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

#### **Requirements for storage rooms and vessels**

No ground outlets on containers. The floor should be leak tight, jointless and not absorbent.

#### **Hints on joint storage**

Do not store together with: Oxidizing agents.

#### **Further information on storage conditions**

Keep away from food, drink and animal feedingstuffs.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### **Protective and hygiene measures**

Do not eat, drink, smoke or sneeze at the workplace. Avoid contact with skin, eyes and clothes. Take off immediately all contaminated clothing. Wash hands before breaks and after work.

#### **Eye/face protection**

Tightly sealed safety glasses.

#### **Hand protection**

Tested protective gloves are to be worn: In case of prolonged or frequently repeated skin contact:

#### **Respiratory protection**

Respiratory protection necessary at: insufficient ventilation.

## SECTION 9: Physical and chemical properties

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

Physical state: liquid  
Colour: yellow  
Odour: characteristic

#### **Test method**

pH-Value: not applicable.

#### **Changes in the physical state**

Initial boiling point and boiling range: Not feasible

Flash point: >250 °C DIN / ISO 2592

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### Explosive properties

not Explosive.

Density:

 0,930 g/cm<sup>3</sup>

DIN 51757

 Viscosity / kinematic:  
(at 40 °C)

 23,7 mm<sup>2</sup>/s

DIN 51562

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactions with strong oxidizing agents.

### 10.3. Possibility of hazardous reactions

No decomposition when used properly.

### 10.4. Conditions to avoid

Gas / vapours, irritant.

### 10.5. Incompatible materials

Reacts with: Oxidizing agents, strong.

### 10.6. Hazardous decomposition products

Decomposition under formation of: Gas / vapours, irritant.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicocinetics, metabolism and distribution

In accordance with the defaults of the raw material manufacturers no realizations over Toxicokinetics, metabolisms and distribution for this product are present.

#### Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68425-15-0	di-tert-dodecyl-pentasulfid				
	oral	LD50 mg/kg	2500	Rat.	
	dermal	LD50 mg/kg	>2000	Rabbit	

#### Irritation and corrosivity

There are no indications as to whether the product leads to irritation on the skin.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecological information refers to main component.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
68425-15-0	di-tert-dodecyl-pentasulfid					
	Acute fish toxicity	LC50	100 mg/l	96 h	Danio rerio (Zebrafisch)	

### 12.2. Persistence and degradability

Evidence exists of biological decomposition processes.

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
68425-15-0	di-tert-dodecyl-pentasulfid			
		0%	28	

#### 12.3. Bioaccumulative potential

No indication of bio-accumulation potential. The bio-accumulation potential is material specific and cannot be mentioned for the mixture.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
68425-15-0	di-tert-dodecyl-pentasulfid	> 6,2

#### 12.4. Mobility in soil

product has not been tested.

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

product has not been tested.

#### 12.6. Other adverse effects

no harm to water organisms up to the tested concentration.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### List of Wastes Code - residues/unused products

120110 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; synthetic machining oils; hazardous waste

##### Contaminated packaging

Cleaned containers may be recycled. Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number:** ./.

**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.

#### Inland waterways transport (ADN)

**14.1. UN number:** ./.

**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.

#### Marine transport (IMDG)

**14.1. UN number:** ./.

**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** ./.

**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.

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

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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### National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

### Additional information

Safety data sheet available for professional user on request.

## SECTION 16: Other information

### Classification for mixtures and used evaluation method according to Regulation (EC) No.1272/2008 [CLP]

Classification	Classification procedure
Skin Sens. 1B; H317	Calculation method

### Relevant H and EUH statements (number and full text)

H317 May cause an allergic skin reaction.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*