

Safety Data Sheet

according to UK REACH Regulation
and Annex II to Regulation (EU) No.2008/878

XONOL GREEN +

Revision date: 03.07.2024

Product code: XON000035

Page 1 of 7

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

1.1. Product identifier

XONOL GREEN +

UFI: 6PWM-2PH4-EE1D-VASP

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

Use of the substance/mixture

Boric acid-free fully synthetic grinding coolant.

1.3. Details of the supplier of the safety data sheet

Company name: Hiessl Schmiertechnik GmbH
Street: Am See 16
Place: D- 72663 Grossbettingen
Telephone: +49 (0)7022-244423-0 Telefax: +49 (0)7022-244423-20
e-mail: info@hiessl.de
Contact person: Jürgen Hiessl Telephone: +49 (0)7022-244423-10
e-mail: info@hiessl.de
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 5:00 pm.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Skin Sens. 1B; H317

Full text of hazard statements: see SECTION 16.

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

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

di-tert-dodecyl-pentasulfid

Signal word: Warning

Pictograms:



Hazard statements

May cause an allergic skin reaction.

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapours/spray.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

IF ON SKIN: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Safety Data Sheet

according to UK REACH Regulation
and Annex II to Regulation (EU) No.2008/878

XONOL GREEN +

Revision date: 03.07.2024

Product code: XON000035

Page 2 of 7

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].

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	
	Classification (GB CLP Regulation)			
68425-15-0	di-tert-dodecyl-pentasilfud			10 %
	270-335-7		01-2119540516-41	
	Skin Sens. 1B; H317			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
68425-15-0	270-335-7	di-tert-dodecyl-pentasilfud	10 %
	dermal: LD50 = 2000 mg/kg; oral: LD50 = 2000 mg/kg		

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.

Safety Data Sheet
 according to UK REACH Regulation
 and Annex II to Regulation (EU) No.2008/878

XONOL GREEN +

Revision date: 03.07.2024 Product code: XON000035 Page 3 of 7

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

General advice

Keep away from unprotected people. Keep upwind.

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

Other information

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.

Advice on general occupational hygiene

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.

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

PNEC values

CAS No	Substance	Value
68425-15-0	di-tert-dodecyl-pentasulfid	
	Freshwater sediment	3,85 mg/kg
	Marine sediment	0,385 mg/kg

Safety Data Sheet

according to UK REACH Regulation
and Annex II to Regulation (EU) No.2008/878

XONOL GREEN +

Revision date: 03.07.2024

Product code: XON000035

Page 4 of 7

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

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

Changes in the physical state

Boiling point or initial boiling point and boiling range:	>200 °C
---	---------

Flash point:	>250 °C	DIN ISO 2592
--------------	---------	--------------

Explosive properties

not Explosive.

Lower explosion limits:	No data available
-------------------------	-------------------

Upper explosion limits:	No data available
-------------------------	-------------------

Auto-ignition temperature:	>200 °C	DIN 51794
----------------------------	---------	-----------

pH-Value:	not applicable.
-----------	-----------------

Viscosity / kinematic: (at 40 °C)	23,7 mm ² /s	DIN 51562
--------------------------------------	-------------------------	-----------

Vapour pressure: (at 20 °C)	<1 hPa	DIN 51754
--------------------------------	--------	-----------

Density:	0,930 g/cm ³	DIN 51757
----------	-------------------------	-----------

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.

Safety Data Sheet

according to UK REACH Regulation
and Annex II to Regulation (EU) No.2008/878

XONOL GREEN +

Revision date: 03.07.2024

Product code: XON000035

Page 5 of 7

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Toxicokinetics, 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	2000	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.

11.2. Information on other hazards

Endocrine disrupting properties

This product does not contain any substance that has endocrine disrupting properties in humans as no ingredient meets the criteria.

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 mg/l	>100	96 h	Danio rerio (Zebrafisch)	OECD 203

12.2. Persistence and degradability

Evidence exists of biological decomposition processes.

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
68425-15-0	di-tert-dodecyl-pentasulfid				
	OECD 301F	0%	28		
	estimate: not reality biodegradable				

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	8,5

Safety Data Sheet

according to UK REACH Regulation
and Annex II to Regulation (EU) No.2008/878

XONOL GREEN +

Revision date: 03.07.2024

Product code: XON000035

Page 6 of 7

12.4. Mobility in soil

product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.
product has not been tested.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. 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 or ID number: ./.

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

Inland waterways transport (ADN)

14.1. UN number or ID number: ./.

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

Marine transport (IMDG)

14.1. UN number or ID 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 or ID 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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

National regulatory information

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

Additional information

Safety data sheet available for professional user on request.

Safety Data Sheet
according to UK REACH Regulation
and Annex II to Regulation (EU) No.2008/878

Revision date: 03.07.2024

XONOL GREEN +

Product code: XON000035

Page 7 of 7

SECTION 16: Other information

Classification for mixtures and used evaluation method according to GB CLP Regulation

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

Relevant H and EUH statements (number and full text)

May cause an allergic skin reaction.

Further Information

The above information is the result of our quality check and is based on the current state of our knowledge.

However, they do not release the buyer from an initial inspection, since this is not a guarantee of product properties for a specific application and therefore no contractual legal relationship can be established.

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