XENOL RED GREASE 1

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

1.1 - Product identifier

Trade name/designation **XENOL RED GREASE 1**
Chemical name
Product-type Mixture

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

Relevant identified uses - Grease

1.3 - Details of the supplier of the safety data sheet

XENOL ENERJİ A.Ş.
GEBKİM İhtisas OSB Nuri Türker Caddesi No:4
Dilovası / Kocaeli, Türkiye

Telephone : +90 262 646 11 01
Website : www.xenol.com / E-mail: info@xenol.com

1.4 - Emergency telephone number

- National Poisons Information Service of England: http://npis.org -
NHS 111: dial 111 United Kingdom

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Eye Irrit. 2	Eye irritation - Category 2

2.2 - Label elements

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

Signal word : Warning

Hazard pictograms



Hazard statements

H319	Causes serious eye irritation.

Precautionary statements

P264	Wash hands thoroughly after handling.
P280	Wear eye protection/protective gloves/protective clothing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

EUH-phrases : None

2.3 - Other hazards

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
Calcium dihydroxide INCI: CALCIUM HYDROXIDE	CAS No. : 1305-62-0 Index No. : EC No. : 215-137-3	>= 1 - < 5	Eye Dam. 1 - H318 Skin Irrit. 2 - H315 STOT SE 3 - H335	

- Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following skin contact	- No information available.
After eye contact	- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
After ingestion	- When in doubt or if symptoms are observed, get medical advice.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms and effects - Following inhalation	- No information available.
Symptoms and effects - Following skin contact	- No information available.
Symptoms and effects - After eye contact	- Causes serious eye irritation.
Symptoms and effects - After ingestion	- No information available.

4.3 - Indication of any immediate medical attention and special treatment needed

- No information available.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media	- ABC-powder - Water mist - Carbon dioxide (CO2)
Unsuitable extinguishing media	- Strong water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	- No information available.
Hazardous decomposition products	- No information available.

5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	- Goggles. - Wear protective gloves.
For emergency responders	- Remove persons to safety. - Use personal protection equipment.

6.2 - Environmental precautions

- No information available.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment	- No information available.
Methods and material for cleaning up	- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). - Ventilate affected area.
Inappropriate techniques	- No information available.

6.4 - Reference to other sections

- Disposal: See section 13
- Personal protection equipment: see section 8
- Safe handling: See section 7

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation	- No information available.
Advices on general occupational hygiene	- Wash hands before breaks and after work.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep/store only in original container.

7.3 - Specific end use(s)

- Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

XENOL RED GREASE 1

8.1 - Control parameters

- No information available.

DNEL / PNEC

Calcium dihydroxide (1305-62-0)			
Type	Value	User	Effect
DNEL acute inhalative	4 mg/m³	Workers	Local
DNEL acute inhalative	4 mg/m³	Consumers	Local
DNEL long-term inhalative	1 mg/m³	Workers	Local
DNEL long-term inhalative	1 mg/m³	Consumers	Local
PNEC aquatic, freshwater	0,49 mg/l		
PNEC aquatic, marine water	0,32 mg/l		
PNEC aquatic, intermittent release	0,49 mg/l		
PNEC soil	1080 mg/kg		
PNEC sewage treatment plant (STP)	3 mg/l		

8.2 - Exposure controls

Appropriate engineering controls: - No information available.

Individual protection measures, such as personal protective equipment:

- Spectacles with side protection.



- Wear protective gloves.



Environmental exposure controls: - No information available.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state	Liquid	Appearance	
Colour		Odour	

Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available

Vapour density	No data available
Relative density	No data available
Density	No data available
Solubility (Water)	No data available
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

Particle characteristics

Particle size	No data available
Dustiness	No data available
Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available
Refractive index	No data available
Solids content	No data available
Surface tension	No data available
Saturation concentration	No data available

- No information available.

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Stable under recommended storage and handling conditions.

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- No information available.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation gas (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- No information available.

Toxicity : Substances

Calcium dihydroxide (1305-62-0)	
LD50 oral (rat)	> 2000 mg/kg OECD 425
LD50 dermal (rabbit)	> 2500 mg/kg (OECD Guideline 402, Acute Dermal Toxicity) Regulation (EC) No. 440/2008, Annex, B.3
LC50 inhalation dusts and mists (rat)	> 6 mg/l OECD 436

Skin corrosion/irritation - Not classified

- No information available.

Serious eye damage/eye irritation - Eye irritation - Category 2 - Causes serious eye irritation.

- Causes serious eye irritation.

Respiratory or skin sensitisation - Not classified

- No information available.

Germ cell mutagenicity - Not classified

- No information available.

Carcinogenicity - Not classified

- No information available.

Reproductive toxicity - Not classified

- No information available.

STOT-single exposure - Not classified

- No information available.

STOT-repeated exposure	- Not classified
	- No information available.
Aspiration hazard	- Not classified
	- No information available.

11.2 - Information on other hazards

- No information available.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
EL50 48 hr crustacea	No data available
LL50 96 hr fish	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- No information available.

Toxicity : Substances

Calcium dihydroxide (1305-62-0)	
EC50 48 hr crustacea	49,1 mg/l Daphnia magna (Big water flea)
LC50 96 hr fish	50,6 mg/l Oncorhynchus mykiss (rainbow trout)
ErC50 algae	184,57 mg/l Pseudokirchneriella subcapitata
NOEC chronic crustacea	32 mg/l Crangon septemspinosa
NOEC chronic algae	48 mg/l Pseudokirchneriella subcapitata

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No information available.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

12.6 - Endocrine disrupting properties

- No information available.

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods	- No information available.
Sewage disposal	- No information available.
Special precautions for waste treatment	- No information available.
Community or national or regional provisions	- Dispose of waste according to applicable legislation.

SECTION 14: Transport information

14.1 - UN number or ID number

Not applicable

14.2 - UN proper shipping name

Not applicable

14.3 - Transport hazard class(es)

Not applicable

14.4 - Packing group

Not applicable

14.5 - Environmental hazards

Not applicable

14.6 - Special precautions for user

Not applicable

14.7 - Maritime transport in bulk according to IMO instruments

Not applicable

XENOL RED GREASE 1

SECTION 15: Regulatory information

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

Substances REACH candidates	None
Substances Annex XIV	None
Substances Annex XVII	None
VOC content	No data available

15.2 - Chemical Safety Assessment

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	09/07/2026		

Certificate holder: Fatih Bilgin - Chemical Assessment Expert. Certificate No.: TUV/11.253.03 - Certificate date: 16/08/2024

Abbreviations and acronyms

- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate.
- LC50: Lethal Concentration to 50 % of a test animals.
- LOEC: Lowest Observed Effect Concentration.
- LD50: Lethal Dose to 50% of a test animals.
- LOEL: Lowest Observed Adverse Effect Level.
- DNEL: Derived no-effect level.
- EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals.
- IATA: International Air Transport Association.
- IMDG: International Maritime Dangerous Goods.
- EC No: European Community number
- NOEC: No Observed Effect Concentration.
- NOEL: No observable effect level.
- CAS No.: Chemical Abstracts Service number.
- ICAO: International Civil Aviation Organization
- PBT: Persistent, Bioaccumulative and Toxic.
- PNEC: Predicted no-effect concentration.
- RID: International Carriage of Dangerous Goods by Rail.
- STEL: Short-term exposure limit
- TWA: Time weighted average
- OEL: Occupational exposure limit.
- vPvB: very Persistent and very Bioaccumulative.

Texts of the regulatory sentences

Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation - Category 2

XENOL RED GREASE 1

H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Skin Irrit. 2	Irritation, Category 2
STOT SE 3	STOT-single exposure - Category 3 (H335)

The information provided in this Safety Data Sheet (SDS) is current on the date the SDS was prepared or revised. Implementation of measures that are provided on SDS is under downstream user companies' responsibility. Downstream users may change the measures in the SDS according to the conditions in their own business.

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XENOL RED GREASE 2

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

1.1 - Product identifier

Trade name/designation **XENOL RED GREASE 2**
Chemical name
Product-type Mixture

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

Relevant identified uses - Grease

1.3 - Details of the supplier of the safety data sheet

XENOL ENERJİ A.Ş.
GEBKİM İhtisas OSB Nuri Türker Caddesi No:4
Dilovası / Kocaeli, Türkiye

Telephone : +90 262 646 11 01
Website : www.xenol.com / E-mail: info@xenol.com

1.4 - Emergency telephone number

- National Poisons Information Service of England: http://npis.org -
NHS 111: dial 111 United Kingdom

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Eye Irrit. 2	Eye irritation - Category 2

2.2 - Label elements

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

Signal word : Warning

Hazard pictograms



Hazard statements

H319	Causes serious eye irritation.

Precautionary statements

P264	Wash hands thoroughly after handling.
P280	Wear eye protection/protective gloves/protective clothing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

EUH-phrases : None

2.3 - Other hazards

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
Calcium dihydroxide INCI: CALCIUM HYDROXIDE	CAS No. : 1305-62-0 Index No. : EC No. : 215-137-3	>= 1 - < 5	Eye Dam. 1 - H318 Skin Irrit. 2 - H315 STOT SE 3 - H335	

- Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following skin contact	- No information available.
After eye contact	- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
After ingestion	- When in doubt or if symptoms are observed, get medical advice.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms and effects - Following inhalation	- No information available.
Symptoms and effects - Following skin contact	- No information available.
Symptoms and effects - After eye contact	- Causes serious eye irritation.
Symptoms and effects - After ingestion	- No information available.

4.3 - Indication of any immediate medical attention and special treatment needed

- No information available.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media	- ABC-powder - Water mist - Carbon dioxide (CO2)
Unsuitable extinguishing media	- Strong water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	- No information available.
Hazardous decomposition products	- No information available.

5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	- Goggles. - Wear protective gloves.
For emergency responders	- Remove persons to safety. - Use personal protection equipment.

6.2 - Environmental precautions

- No information available.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment	- No information available.
Methods and material for cleaning up	- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). - Ventilate affected area.
Inappropriate techniques	- No information available.

6.4 - Reference to other sections

- Disposal: See section 13
- Personal protection equipment: see section 8
- Safe handling: See section 7

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation	- No information available.
Advices on general occupational hygiene	- Wash hands before breaks and after work.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep/store only in original container.

7.3 - Specific end use(s)

- Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

XENOL RED GREASE 2

8.1 - Control parameters

- No information available.

DNEL / PNEC

Calcium dihydroxide (1305-62-0)			
Type	Value	User	Effect
DNEL acute inhalative	4 mg/m³	Workers	Local
DNEL acute inhalative	4 mg/m³	Consumers	Local
DNEL long-term inhalative	1 mg/m³	Workers	Local
DNEL long-term inhalative	1 mg/m³	Consumers	Local
PNEC aquatic, freshwater	0,49 mg/l		
PNEC aquatic, marine water	0,32 mg/l		
PNEC aquatic, intermittent release	0,49 mg/l		
PNEC soil	1080 mg/kg		
PNEC sewage treatment plant (STP)	3 mg/l		

8.2 - Exposure controls

Appropriate engineering controls: - No information available.

Individual protection measures, such as personal protective equipment:

- Spectacles with side protection.



- Wear protective gloves.



Environmental exposure controls: - No information available.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state: Liquid
Appearance:
Colour:
Odour:

Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available

Vapour density	No data available
Relative density	No data available
Density	No data available
Solubility (Water)	No data available
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

Particle characteristics

Particle size	No data available
Dustiness	No data available
Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available
Refractive index	No data available
Solids content	No data available
Surface tension	No data available
Saturation concentration	No data available

- No information available.

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Stable under recommended storage and handling conditions.

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- No information available.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation gas (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- No information available.

Toxicity : Substances

Calcium dihydroxide (1305-62-0)	
LD50 oral (rat)	> 2000 mg/kg OECD 425
LD50 dermal (rabbit)	> 2500 mg/kg (OECD Guideline 402, Acute Dermal Toxicity) Regulation (EC) No. 440/2008, Annex, B.3
LC50 inhalation dusts and mists (rat)	> 6 mg/l OECD 436

Skin corrosion/irritation - Not classified

- No information available.

Serious eye damage/eye irritation - Eye irritation - Category 2 - Causes serious eye irritation.

- Causes serious eye irritation.

Respiratory or skin sensitisation - Not classified

- No information available.

Germ cell mutagenicity - Not classified

- No information available.

Carcinogenicity - Not classified

- No information available.

Reproductive toxicity - Not classified

- No information available.

STOT-single exposure - Not classified

- No information available.

STOT-repeated exposure	- Not classified
	- No information available.
Aspiration hazard	- Not classified
	- No information available.

11.2 - Information on other hazards

- No information available.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
EL50 48 hr crustacea	No data available
LL50 96 hr fish	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- No information available.

Toxicity : Substances

Calcium dihydroxide (1305-62-0)	
EC50 48 hr crustacea	49,1 mg/l Daphnia magna (Big water flea)
LC50 96 hr fish	50,6 mg/l Oncorhynchus mykiss (rainbow trout)
ErC50 algae	184,57 mg/l Pseudokirchneriella subcapitata
NOEC chronic crustacea	32 mg/l Crangon septemspinosa
NOEC chronic algae	48 mg/l Pseudokirchneriella subcapitata

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No information available.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

12.6 - Endocrine disrupting properties

- No information available.

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods	- No information available.
Sewage disposal	- No information available.
Special precautions for waste treatment	- No information available.
Community or national or regional provisions	- Dispose of waste according to applicable legislation.

SECTION 14: Transport information

14.1 - UN number or ID number

Not applicable

14.2 - UN proper shipping name

Not applicable

14.3 - Transport hazard class(es)

Not applicable

14.4 - Packing group

Not applicable

14.5 - Environmental hazards

Not applicable

14.6 - Special precautions for user

Not applicable

14.7 - Maritime transport in bulk according to IMO instruments

Not applicable

XENOL RED GREASE 2

SECTION 15: Regulatory information

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

Substances REACH candidates	None
Substances Annex XIV	None
Substances Annex XVII	None
VOC content	No data available

15.2 - Chemical Safety Assessment

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	09/07/2026		

Certificate holder: Fatih Bilgin - Chemical Assessment Expert. Certificate No.: TUV/11.253.03 - Certificate date: 16/08/2024

Abbreviations and acronyms

- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate.
- LC50: Lethal Concentration to 50 % of a test animals.
- LOEC: Lowest Observed Effect Concentration.
- LD50: Lethal Dose to 50% of a test animals.
- LOEL: Lowest Observed Adverse Effect Level.
- DNEL: Derived no-effect level.
- EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals.
- IATA: International Air Transport Association.
- IMDG: International Maritime Dangerous Goods.
- EC No: European Community number
- NOEC: No Observed Effect Concentration.
- NOEL: No observable effect level.
- CAS No.: Chemical Abstracts Service number.
- ICAO: International Civil Aviation Organization
- PBT: Persistent, Bioaccumulative and Toxic.
- PNEC: Predicted no-effect concentration.
- RID: International Carriage of Dangerous Goods by Rail.
- STEL: Short-term exposure limit
- TWA: Time weighted average
- OEL: Occupational exposure limit.
- vPvB: very Persistent and very Bioaccumulative.

Texts of the regulatory sentences

Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation - Category 2

XENOL RED GREASE 2

H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Skin Irrit. 2	Irritation, Category 2
STOT SE 3	STOT-single exposure - Category 3 (H335)

The information provided in this Safety Data Sheet (SDS) is current on the date the SDS was prepared or revised. Implementation of measures that are provided on SDS is under downstream user companies' responsibility. Downstream users may change the measures in the SDS according to the conditions in their own business.

*** *** ***

XENOL RED GREASE 3

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

1.1 - Product identifier

Trade name/designation **XENOL RED GREASE 3**
Chemical name
Product-type Mixture

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

Relevant identified uses - Grease

1.3 - Details of the supplier of the safety data sheet

XENOL ENERJİ A.Ş.
GEBKİM İhtisas OSB Nuri Türker Caddesi No:4
Dilovası / Kocaeli, Türkiye

Telephone : +90 262 646 11 01
Website : www.xenol.com / E-mail: info@xenol.com

1.4 - Emergency telephone number

- National Poisons Information Service of England: http://npis.org -
NHS 111: dial 111 United Kingdom

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Eye Irrit. 2	Eye irritation - Category 2

2.2 - Label elements

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

Signal word : Warning

Hazard pictograms



Hazard statements

H319	Causes serious eye irritation.

Precautionary statements

P264	Wash hands thoroughly after handling.
P280	Wear eye protection/protective gloves/protective clothing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

EUH-phrases : None

2.3 - Other hazards

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
Calcium dihydroxide INCI: CALCIUM HYDROXIDE	CAS No. : 1305-62-0 Index No. : EC No. : 215-137-3	>= 1 - < 5	Eye Dam. 1 - H318 Skin Irrit. 2 - H315 STOT SE 3 - H335	

- Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following skin contact	- No information available.
After eye contact	- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
After ingestion	- When in doubt or if symptoms are observed, get medical advice.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms and effects - Following inhalation	- No information available.
Symptoms and effects - Following skin contact	- No information available.
Symptoms and effects - After eye contact	- Causes serious eye irritation.
Symptoms and effects - After ingestion	- No information available.

4.3 - Indication of any immediate medical attention and special treatment needed

- No information available.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media	- ABC-powder - Water mist - Carbon dioxide (CO2)
Unsuitable extinguishing media	- Strong water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	- No information available.
Hazardous decomposition products	- No information available.

5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	- Goggles. - Wear protective gloves.
For emergency responders	- Remove persons to safety. - Use personal protection equipment.

6.2 - Environmental precautions

- No information available.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment	- No information available.
Methods and material for cleaning up	- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). - Ventilate affected area.
Inappropriate techniques	- No information available.

6.4 - Reference to other sections

- Disposal: See section 13
- Personal protection equipment: see section 8
- Safe handling: See section 7

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation	- No information available.
Advices on general occupational hygiene	- Wash hands before breaks and after work.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep/store only in original container.

7.3 - Specific end use(s)

- Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

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8.1 - Control parameters

- No information available.

DNEL / PNEC

Calcium dihydroxide (1305-62-0)			
Type	Value	User	Effect
DNEL acute inhalative	4 mg/m³	Workers	Local
DNEL acute inhalative	4 mg/m³	Consumers	Local
DNEL long-term inhalative	1 mg/m³	Workers	Local
DNEL long-term inhalative	1 mg/m³	Consumers	Local
PNEC aquatic, freshwater	0,49 mg/l		
PNEC aquatic, marine water	0,32 mg/l		
PNEC aquatic, intermittent release	0,49 mg/l		
PNEC soil	1080 mg/kg		
PNEC sewage treatment plant (STP)	3 mg/l		

8.2 - Exposure controls

Appropriate engineering controls: - No information available.

Individual protection measures, such as personal protective equipment:

- Spectacles with side protection.



- Wear protective gloves.



Environmental exposure controls: - No information available.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state: Liquid
Appearance:
Colour:
Odour:

Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available

Vapour density	No data available
Relative density	No data available
Density	No data available
Solubility (Water)	No data available
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

Particle characteristics

Particle size	No data available
Dustiness	No data available
Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available
Refractive index	No data available
Solids content	No data available
Surface tension	No data available
Saturation concentration	No data available

- No information available.

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Stable under recommended storage and handling conditions.

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- No information available.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation gas (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- No information available.

Toxicity : Substances

Calcium dihydroxide (1305-62-0)	
LD50 oral (rat)	> 2000 mg/kg OECD 425
LD50 dermal (rabbit)	> 2500 mg/kg (OECD Guideline 402, Acute Dermal Toxicity) Regulation (EC) No. 440/2008, Annex, B.3
LC50 inhalation dusts and mists (rat)	> 6 mg/l OECD 436

Skin corrosion/irritation - Not classified

- No information available.

Serious eye damage/eye irritation - Eye irritation - Category 2 - Causes serious eye irritation.

- Causes serious eye irritation.

Respiratory or skin sensitisation - Not classified

- No information available.

Germ cell mutagenicity - Not classified

- No information available.

Carcinogenicity - Not classified

- No information available.

Reproductive toxicity - Not classified

- No information available.

STOT-single exposure - Not classified

- No information available.

STOT-repeated exposure	- Not classified
	- No information available.
Aspiration hazard	- Not classified
	- No information available.

11.2 - Information on other hazards

- No information available.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
EL50 48 hr crustacea	No data available
LL50 96 hr fish	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- No information available.

Toxicity : Substances

Calcium dihydroxide (1305-62-0)	
EC50 48 hr crustacea	49,1 mg/l Daphnia magna (Big water flea)
LC50 96 hr fish	50,6 mg/l Oncorhynchus mykiss (rainbow trout)
ErC50 algae	184,57 mg/l Pseudokirchneriella subcapitata
NOEC chronic crustacea	32 mg/l Crangon septemspinosa
NOEC chronic algae	48 mg/l Pseudokirchneriella subcapitata

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No information available.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

12.6 - Endocrine disrupting properties

- No information available.

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods	- No information available.
Sewage disposal	- No information available.
Special precautions for waste treatment	- No information available.
Community or national or regional provisions	- Dispose of waste according to applicable legislation.

SECTION 14: Transport information

14.1 - UN number or ID number

Not applicable

14.2 - UN proper shipping name

Not applicable

14.3 - Transport hazard class(es)

Not applicable

14.4 - Packing group

Not applicable

14.5 - Environmental hazards

Not applicable

14.6 - Special precautions for user

Not applicable

14.7 - Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

Substances REACH candidates	None
Substances Annex XIV	None
Substances Annex XVII	None
VOC content	No data available

15.2 - Chemical Safety Assessment

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	09/07/2026		

Certificate holder: Fatih Bilgin - Chemical Assessment Expert. Certificate No.: TUV/11.253.03 - Certificate date: 16/08/2024

Abbreviations and acronyms

- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate.
- LC50: Lethal Concentration to 50 % of a test animals.
- LOEC: Lowest Observed Effect Concentration.
- LD50: Lethal Dose to 50% of a test animals.
- LOEL: Lowest Observed Adverse Effect Level.
- DNEL: Derived no-effect level.
- EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals.
- IATA: International Air Transport Association.
- IMDG: International Maritime Dangerous Goods.
- EC No: European Community number
- NOEC: No Observed Effect Concentration.
- NOEL: No observable effect level.
- CAS No.: Chemical Abstracts Service number.
- ICAO: International Civil Aviation Organization
- PBT: Persistent, Bioaccumulative and Toxic.
- PNEC: Predicted no-effect concentration.
- RID: International Carriage of Dangerous Goods by Rail.
- STEL: Short-term exposure limit
- TWA: Time weighted average
- OEL: Occupational exposure limit.
- vPvB: very Persistent and very Bioaccumulative.

Texts of the regulatory sentences

Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation - Category 2

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H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Skin Irrit. 2	Irritation, Category 2
STOT SE 3	STOT-single exposure - Category 3 (H335)

The information provided in this Safety Data Sheet (SDS) is current on the date the SDS was prepared or revised. Implementation of measures that are provided on SDS is under downstream user companies' responsibility. Downstream users may change the measures in the SDS according to the conditions in their own business.

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