GRAVIS M 1500

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

1.1 - Product identifier

Trade name/designation GRAVIS M 1500
Chemical name
Product-type Mixture
Product code 28161

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

Relevant identified uses	- Industrial oil
Uses advised against	- The uses are provided in Section 1.2. Other uses are not recommended unless a risk assessment is carried out, prior to commencement of that use, which demonstrates that the is safe.

1.3 - Details of the supplier of the safety data sheet

PETROL OFİSİ A.Ş.
Ünalan Mahallesi, Libadiye Caddesi No: 82F
Kat: 2-3-4, 34700 Üsküdar/ Istanbul
Turkey
Telephone : +90 850 339 1919 Fax +90 216 275 3854
Website : www.petrolofisi.com.tr - madeniyag@petrolofisi.com.tr

1.4 - Emergency telephone number

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

- Company phone number (see section 1.3).

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

Skin Sens. 1	Skin sensitization - Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3

2.2 - Label elements

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

Contains: Amines, C10-C14-tert-alkyl

Signal word : Warning

Hazard pictograms

Hazard statements

H317	May cause an allergic skin reaction.

GRAVIS M 1500

H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P261	Avoid breathing vapours/mist.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear eye protection/protective gloves/protective clothing/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P321	Specific treatment (see information on this label).
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 an appropriate recycling or disposal facility in accordance with national regulation.

EUH-phrases : None

2.3 - Other hazards

PBT-substance. - The substances in this mixture do not meet the PTB/vPvB criteria of REACH annex XIII.

vPvB-substance. - The substances in this mixture do not meet the PTB/vPvB criteria of REACH annex XIII.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No.	%	Class(es)	Specific concentration limit
Mineral oil (mixture)	CAS No. : Index No. : EC No. :	1 - 5	Asp. Tox. 1 - H304	Not applicable
Distillates (petroleum), hydrotreated light naphthenic [Note L]	CAS No. : 64742-53-6 Index No. : 649-466-00-2 EC No. : 265-156-6	1 - 5	Asp. Tox. 1 - H304	Not applicable
Phosphoric acid, mono- and bis(branched and linear pentyl) esters	CAS No. : 84418-71-3 Index No. : EC No. : 282-784-6	< 1	Aquatic Chronic 3 - H412 Eye Dam. 1 - H318 Skin Corr. 1B - H314	Not applicable
Amines, C10-C14-tert-alkyl	CAS No. : Index No. : EC No. : 701-175-2	< 0,25	Acute Tox. 2 Inhalation - H330 Acute Tox. 3 Dermal - H311 Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Eye Dam. 1 - H318 Skin Corr. 1 - H314 Skin Sens. 1A - H317	M-factor: 1 / 1
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol	CAS No. : 91648-65-6 Index No. : EC No. : 293-927-7	< 0,25	Aquatic Chronic 3 - H412	Not applicable

GRAVIS M 1500

Chemical name	No.	%	Class(es)	Specific concentration limit
C16-18-(even numbered, saturated and unsaturated)-alkylamines	CAS No. : 1213789-63-9 Index No. : EC No. : 627-034-4	< 0,25	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Asp. Tox. 1 - H304 Skin Corr. 1B - H314 STOT RE 2 - H373 STOT SE 3 - H335	M-factor: 10 / 10

- If REACH registration numbers are not visible, the substance is exempt from registration, does not exceed the minimum volume threshold for registration, the registration date has not yet arrived, or this information is registered information.

- Mineral oil (mixture): The mineral oil contained in this material may be described by one or more of the following CAS No's.: 64742-54-7, 64742-65-0, 6474255-8, and 64742-56-9.

- Note L: DMSO content <3% according to IP 346.

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation	- Provide fresh air. - Rinse nose and mouth with water. - When in doubt or if symptoms are observed, get medical advice.
Following skin contact	- After contact with skin, wash immediately with plenty of water and soap. - Remove contaminated clothing and shoes. - When in doubt or if symptoms are observed, get medical advice.
After eye contact	- Remove affected person from the danger area and lay down. - Rinse immediately carefully and thoroughly with eye-bath or water. - In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. - Protect uninjured eye.
After ingestion	- Rinse mouth thoroughly with water. - Do not leave affected person unattended. - Do NOT induce vomiting. - Seek medical advice immediately. - Never give anything by mouth to an unconscious person or a person with cramps. - 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 known symptoms to date.
Symptoms and effects - Following skin contact	- Itching. - Allergic reactions - Redness.
Symptoms and effects - After eye contact	- Itching. - Redness.
Symptoms and effects - After ingestion	- Nausea

GRAVIS M 1500

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

- No information available.
- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media	- The product is not flammable. Use a suitable extinguishing agent to control the fire.
Unsuitable extinguishing media	- Strong water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	- In case of fire hazardous decomposition products may be formed, such as: Carbon monoxide, Carbon dioxide (CO2). - In case of combustion, emission of toxic fumes. - Thermal decomposition results in the formation of smoke, carbon oxides and low molecular weight organic compounds of unknown composition.
Hazardous decomposition products	- Formation of CO and CO2 in the event of combustion (carbon monoxide - carbon dioxide).

5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.
- Move undamaged containers from immediate hazard area if it can be done safely.
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- 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	- Use personal protection equipment. - Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. - Provide adequate ventilation. - Caution: Spreads are slippery
For emergency responders	- Provide adequate ventilation. - Use personal protection equipment. - Mittens. - Spectacles. - NOTICE: Report spillage to local authorities as appropriate or necessary. - If it can be done without risk, stop the source of leakage. - Limit spillage to prevent further contamination of soil, surface or groundwater. - Use appropriate techniques such as non-flammable absorbent materials or pumping. - Where possible or appropriate, scrape off the soil contaminated by the product from the area.

	- Place product contaminated materials in disposable containers and dispose of in accordance with regulations. - In case of spillage of a heated substance, allow it to cool down before proceeding with disposal methods. - Provide adequate ventilation.

6.2 - Environmental precautions

- Ensure waste is collected and contained.
- Do not allow to enter into surface water or drains.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment	- Soak up inert absorbent and dispose as waste requiring special attention. - Collect in closed and suitable containers for disposal.
Methods and material for cleaning up	- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). - Ventilate affected area. - Clear contaminated areas thoroughly. - Clean contaminated articles and floor according to the environmental legislation. - Refer to manufacturer or supplier for information on recovery or recycling. - Do not allow to enter into surface water or drains. - If the product contaminates water tables, rivers or sewers, alert the competent authorities according to regulatory procedures.
Inappropriate techniques	- Never return spills to original containers for reuse.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8
- Safe handling: see section 7
- See Section 1 for emergency contact information.

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation	- It is recommended to design all work processes always so that the following is excluded:Eye contact - Ensure sufficient ventilation. - Avoid breathing vapours, mist, spray, fumes. - Keep away from sources of ignition - No smoking.
Advices on general occupational hygiene	- Avoid contact with skin, eyes and clothes. - Wash contaminated clothing prior to re-use. - Immediately remove any contaminated clothing, shoes or stockings. - Wash hands before breaks and after work. - Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this product is used. - If exposure limits have not been observed maintain airborne levels at an acceptable level. Provide eye wash station and safety shower.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep/store only in original container.
- Keep container tightly closed in a cool, well-ventilated place.
- Protect against:Heat
- Keep away from:Food and feedingstuffs
- Protect from direct sunlight.

7.3 - Specific end use(s)

- See section 1.2 of the SDS.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

- No exposure limit value is known.
- There is no chemical substance to be specified under this section.

DNEL / PNEC

Distillates (petroleum), hydrotreated light naphthenic [Note L] (64742-53-6)			
Type	**Value**	**User**	**Effect**
DNEL long-term oral (repeated)	0,74 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	2,73 mg/m³	Workers	Systemic
DNEL long-term inhalative	5,58 mg/m³	Workers	Local
DNEL long-term dermal	0,97 mg/kg bw/day	Workers	Systemic
PNEC Secondary Poisoning	9,33 mg/kg		

Phosphoric acid, mono- and bis(branched and linear pentyl) esters (84418-71-3)			
Type	**Value**	**User**	**Effect**
PNEC aquatic, freshwater	0,056 mg/l		
PNEC aquatic, marine water	0,0056 mg/l		
PNEC aquatic, intermittent release	0,56 mg/l		
PNEC sediment, freshwater	2,03 mg/kg		
PNEC sediment, marine water	0,203 mg/kg		
PNEC soil	0,373 mg/kg		
PNEC sewage treatment plant (STP)	100 mg/l		

Amines, C10-C14-tert-alkyl			
Type	**Value**	**User**	**Effect**
DNEL long-term oral (repeated)	0,35 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	12,5 mg/m³	Workers	Systemic
DNEL long-term inhalative	12,1 mg/m³	Workers	Local
DNEL long-term inhalative	1,2 mg/m³	Consumers	Local
DNEL long-term inhalative	2,5 mg/m³	Consumers	Systemic
PNEC aquatic, freshwater	0,001 mg/l		
PNEC aquatic, marine water	0,0001 mg/l		
PNEC aquatic, intermittent release	0,004 mg/l		
PNEC sediment, freshwater	2,14 mg/kg		
PNEC sediment, marine water	0,214 mg/kg		
PNEC soil	0,428 mg/kg		
PNEC Secondary Poisoning	4,71 mg/kg		
PNEC sewage treatment plant (STP)	0,635 mg/l		

C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9)			
Type	**Value**	**User**	**Effect**
DNEL long-term oral (repeated)	0,04 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	0,38 mg/m³	Workers	Systemic
DNEL long-term inhalative	1 mg/m³	Workers	Local
DNEL long-term inhalative	0,035 mg/m³	Consumers	Systemic
PNEC aquatic, freshwater	0,00026 mg/l		
PNEC aquatic, marine water	2,6E-05 mg/l		
PNEC aquatic, intermittent release	0,0016 mg/l		
PNEC sediment, freshwater	3,76 mg/kg		
PNEC sediment, marine water	0,376 mg/kg		
PNEC soil	10 mg/kg		
PNEC sewage treatment plant (STP)	0,55 mg/l		

8.2 - Exposure controls

Appropriate engineering controls

- Do not eat, drink or smoke during use.
- Ensure adequate ventilation.
- If exposure limits have not been observed maintain airborne levels at an acceptable level. Provide eye wash station and safety shower.

Individual protection measures, such as personal protective equipment

- Lab coat.
- Eye protection

- Tight-fitting goggles.
- In case of risk of splashes: Goggles with side-shields.
- EN 166
- Protective gloves

- Chemical resistant gloves conforming to EN 374.
- Wear suitable chemical resistant gloves.
- Nitrile rubber
- PVA (Polyvinyl alcohol).
- Protective apron.
- Suitable protective clothing:Protective apron

- If there is a danger of contact with hot product, suitable protective equipment must be used, which protects against high temperatures.

Environmental exposure controls

- It is important to test emissions from ventilation systems or process equipment to ensure that they comply with the requirements of environmental protection legislation.

GRAVIS M 1500

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state	Solid	Appearance	Gel
Colour	brown	Odour	characteristic

Odour threshold	No information available.
pH	No information available.
Melting point	No information available.
Freezing point	No information available.
Boiling point	No information available.
Flash point	>= 240 °C Open vase
Evaporation rate	No information available.
flammability	Not relevant.
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No information available.
Density	0,91 g/ml @15°C approx. Volumetric.
Solubility (Water)	Insoluble
Solubility (Ethanol)	No information available.
Solubility (Acetone)	No information available.
Solubility (Organic solvents)	No information available.
Log KOC	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Kinematic viscosity	1350 mm²/s < V < 1650 mm²/s (cSt) @100°C
Dynamic viscosity	No information 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	Undetermined
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

GRAVIS M 1500

Saturation concentration	No data available

- Worked Penetration 270 (@ 25°C)

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.
- The product can decompose at high temperature.
- Exposure to cold. Do not freeze

10.5 - Incompatible materials

- Strong oxidising agents.
- Strong alkalis.
- Strong acids.

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.
- In combustion emits toxic fumes.
- Carbon dioxide (CO2)
- Carbon monoxide
- Nitrogen oxides (NOx)
- Sulphur oxides
- Phosphorus oxides

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

- The product has not been tested.
- Based on available data, the classification criteria are not met.

GRAVIS M 1500

Toxicity : Substances

Distillates (petroleum), hydrotreated light naphthenic [Note L] (64742-53-6)	
LD50 oral (rat)	> 5000 mg/kg (OECD Guideline 401, Acute Oral Toxicity)
LD50 dermal (rabbit)	> 5000 mg/kg (OECD Guideline 402, Acute Dermal Toxicity)
LC50 inhalation dusts and mists (rat)	1,8 mg/l < V < 2,55 mg/l (OECD Guideline 403, Acute inhalation toxicity)

Phosphoric acid, mono- and bis(branched and linear pentyl) esters (84418-71-3)	
LD50 oral (rat)	2000 mg/kg < V < 5000 mg/kg OECD 423

Amines, C10-C14-tert-alkyl ()	
LD50 oral (rat)	612 mg/kg (OECD Guideline 401, Acute Oral Toxicity)
LD50 dermal (rat)	251 mg/kg (OECD Guideline 402, Acute Dermal Toxicity)
LC50 inhalation vapours (rat)	1,14 mg/l (OECD Guideline 403, Acute inhalation toxicity)

C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9)	
LD50 oral (rat)	1200 mg/kg (OECD Guideline 401, Acute Oral Toxicity)
LD50 dermal (rat)	> 2000 mg/kg (OECD Guideline 402, Acute Dermal Toxicity)
LC50 inhalation dusts and mists (rat)	Based on available data, the classification criteria are not met.

Skin corrosion/irritation	- Not classified
	- Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	- Not classified
	- Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	- Skin sensitization - Category 1 - May cause an allergic skin reaction.
Germ cell mutagenicity	- Not classified
	- Based on available data, the classification criteria are not met.
Carcinogenicity	- Not classified
	- Based on available data, the classification criteria are not met.

Reproductive toxicity	- Not classified
	- Based on available data, the classification criteria are not met.
STOT-single exposure	- Not classified
	- Based on available data, the classification criteria are not met.
STOT-repeated exposure	- Not classified
	- Based on available data, the classification criteria are not met.
Aspiration hazard	- Not classified
	- Based on available data, the classification criteria are not met.

11.2 - Information on other hazards

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

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
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

- The product has not been tested.
- May cause long lasting harmful effects to aquatic life.

Toxicity : Substances

Distillates (petroleum), hydrotreated light naphthenic [Note L] (64742-53-6)	
EC50 48 hr crustacea	100 mg/l Daphnia magna (Big water flea)
LC50 96 hr fish	100 mg/l Pimephales promelas (fathead minnow)
ErC50 algae	100 mg/l Pseudokirchneriella subcapitata
NOEC chronic crustacea	100 mg/l Daphnia magna (Big water flea)
NOEC chronic algae	100 mg/l Pseudokirchneriella subcapitata

GRAVIS M 1500

Phosphoric acid, mono- and bis(branched and linear pentyl) esters (84418-71-3)	
EC50 48 hr crustacea	56 mg/l Daphnia magna (Big water flea)
LC50 96 hr fish	100 mg/l
ErC50 algae	100 mg/l
NOEC chronic algae	25 mg/l

Amines, C10-C14-tert-alkyl ()	
EC50 48 hr crustacea	2,5 mg/l Daphnia magna (Big water flea)
LC50 96 hr fish	1,3 mg/l Oncorhynchus mykiss (rainbow trout) OECD 203
ErC50 algae	0,435 mg/l Selenastrum capricornutum OECD 201
NOEC chronic fish	0,078 mg/l Oncorhynchus mykiss (rainbow trout) OECD 210
NOEC chronic algae	0,05 mg/l Selenastrum capricornutum OECD 201

C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9)	
EC50 48 hr crustacea	0,32 mg/l Daphnia magna (Big water flea) OECD 202
LC50 96 hr fish	0,84 mg/l Danio rerio (zebra-fish) OECD 203
ErC50 algae	0,39 mg/l Desmodesmus subspicatus OECD 201
NOEC chronic crustacea	0,013 mg/l Daphnia magna (Big water flea) OECD 211
NOEC chronic algae	0,123 mg/l Desmodesmus subspicatus OECD 201

1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol (91648-65-6)	
EC50 48 hr crustacea	41 mg/l Daphnia magna (Big water flea) OECD 202
LC50 96 hr fish	1000 mg/l Pimephales promelas (fathead minnow)

12.2 - Persistence and degradability

Mixture

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.

Substances

Distillates (petroleum), hydrotreated light naphthenic [Note L] (64742-53-6)	
% of biodegradation in 28 days	2 % < V < 31 % Not readily biodegradable (according to OECD criteria).

Phosphoric acid, mono- and bis(branched and linear pentyl) esters (84418-71-3)	
% of biodegradation in 28 days	45 % Not readily biodegradable (according to OECD criteria). OECD 301B

Amines, C10-C14-tert-alkyl ()	
% of biodegradation in 28 days	22 % Not readily biodegradable (according to OECD criteria). OECD 301C

12.3 - Bioaccumulative potential

Mixture

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

- The product has not been tested.

Substances

C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9)	
Bioconcentration factor (BCF)	173 L/kg No bioaccumulation potential.

1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol (91648-65-6)	
Bioconcentration factor (BCF)	15,7 L/kg No bioaccumulation potential. (Q)SAR

12.4 - Mobility in soil

- The product is immiscible with water and will spread on the surface of water.

12.5 - Results of PBT and vPvB assessment

- The substances in this mixture do not meet the PTB/vPvB criteria of REACH annex XIII.

- The substances in this mixture do not meet the PTB/vPvB criteria of REACH annex XIII.

12.6 - Endocrine disrupting properties

GRAVIS M 1500

- This product does not have endocrine disrupting properties.

12.7 - Other adverse effects

- No data available.
- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods	- Dispose of waste according to applicable legislation. - Handle contaminated packages in the same way as the substance itself.
Sewage disposal	- Do not empty into drains.
Special precautions for waste treatment	- Consult the appropriate local waste disposal expert about waste disposal. - The waste is to be kept seperate from other types of waste until its recycling. - For recycling, contact recycling exchanges. - Non-contaminated packages must be recycled or disposed of.
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

- Not applicable.

SECTION 15: Regulatory information

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

GRAVIS M 1500

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

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product	- A chemical safety assessment has been conducted for this mixture.

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
5	22/02/2025		Updated according to current legislation.
4	27/01/2020		Updated according to current legislation.
1	17/06/2011		It was prepared for the first time.

Issued by: Sena Ezgi Selçuk

Abbreviations and acronyms

- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate.
- CAS No.: Chemical Abstracts Service number.
- DNEL: Derived no-effect level.
- EC No: European Community number
- EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals.
- IATA: International Air Transport Association.
- ICAO: International Civil Aviation Organization
- IMDG: International Maritime Dangerous Goods.
- LC50: Lethal Concentration to 50 % of a test animals.
- LD50: Lethal Dose to 50% of a test animals.
- OEL: Occupational exposure limit.
- 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
- vPvB: very Persistent and very Bioaccumulative.

Texts of the regulatory sentences

Acute Tox. 2 Inhalation	Acute toxicity (inhalative) - Category 2
Acute Tox. 3 Dermal	Acute toxicity (dermal) - Category 3
Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1

GRAVIS M 1500

Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Asp. Tox. 1	Aspiration hazard - Category 1
Eye Dam. 1	Serious eye damage, Category 1
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure .
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Skin Corr. 1	Skin corrosion, Category 1
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Sens. 1	Skin sensitization - Category 1
Skin Sens. 1A	Skin sensitization - Category 1A
STOT RE 2	STOT-repeated exposure - 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.

*** *** ***