



SAFETY DATA SHEET

GRAVIS SP-X 150

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.
Commission Regulation (EU) 2020/878 of 18 June 2020.

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

1.1. Product identifier

Product name GRAVIS SP-X 150

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

Identified uses Industrial oil

Uses advised against This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. This product is designed only to suit automotive applications and no provision is made for the requirements of aviation applications.

1.3. Details of the supplier of the safety data sheet

Supplier PETROL OFİSİ A.Ş.
Ünalán Mahallesi, Libadiye Caddesi No: 82F Kat: 2-3-4, 34700 Üsküdar/ İstanbul
Tel: +90 850 339 1919
Fax: +90 216 275 3854
madeniyag@petrolofisi.com.tr

Contact person Customer Services: madeniyag@petrolofisi.com.tr

1.4. Emergency telephone number

Emergency telephone Madeni Yağ Customer Services: 0850 339 1919 (working hours)

National emergency telephone number Emergency Medical Services: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements NC Not Classified

2.3. Other hazards

Not applicable.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Ingredient notes See Section 8 for occupational exposure limits.

SECTION 4: First aid measures

4.1. Description of first aid measures



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According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.
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General information	Treat symptomatically.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Remove affected person from source of contamination. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

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

General information	See Section 11 for additional information on health hazards.
Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	No specific symptoms known.
Eye contact	No specific symptoms known.

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

Notes for the doctor	Treat symptomatically.
Specific treatments	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Avoid breathing fire gases or vapours. Ventilate closed spaces before entering them.
Hazardous combustion products	Carbon dioxide (CO ₂). Carbon monoxide (CO). Oxides of nitrogen. Oxides of sulphur. Oxides of phosphorus. A complex mixture of airborne solids, liquids and gases can be released. Smoke and irritating vapours as products of incomplete combustion. Unidentified organic or inorganic compounds.

5.3. Advice for firefighters

Protective actions during firefighting	No action shall be taken without appropriate training or involving any personal risk.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures



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According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

Personal precautions	Ensure procedures and training for emergency decontamination and disposal are in place. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Wear protective clothing as described in Section 8 of this safety data sheet. Take precautionary measures against static discharges.
For non-emergency personnel	Necessary precautions should be taken to ensure that non-educated personnel do not intervene.
For emergency responders	Wear protective clothing as shown in section 8 of this safety data sheet. Notification: In case of spillage, notify the local authorities as appropriate or as necessary. Stop the leakage source if it can be done without risk. Limit spillage to prevent further contamination of soil, surface or ground water. Remove any spilled material as soon as possible by following the precautions in the section Exposure Controls / Personal Protection. Use suitable techniques such as non-flammable absorbent materials or pumping. When possible or appropriate, remove the contaminated soil from the area. Place contaminated products in disposable boxes and dispose of in accordance with regulations. If a heated material is spilled, allow it to cool before handling with disposal methods.
6.2. Environmental precautions	
Environmental precautions	Toxic to aquatic life with long lasting effects. Dangerous for the environment if discharged into watercourses. Avoid release to the environment. Avoid discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air). Environmental Manager must be informed of all major spillages.
6.3. Methods and material for containment and cleaning up	
Methods for cleaning up	Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.
6.4. Reference to other sections	
Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13. See Section 1 for emergency contact information. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Avoid spilling. Avoid contact with skin, eyes and clothing.
Advice on general occupational hygiene	Persons susceptible to allergic reactions should not handle this product. Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented. Wash contaminated skin thoroughly after handling. Take off contaminated clothing and wash it before reuse. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container. Keep away from food, drink and animal feeding stuffs.
Storage class	Chemical storage.

7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
Usage description	The product must be used as specified in the data sheet.



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SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

No other information known.

Ingredient comments	No other information known.
Biological limit values	No other information known.
DNEL	No other information known.
DMEL	No other information known.
PNEC	No other information known.

lubricating oils (petroleum), C20-50, hydrotreated neutral oil based (CAS: 72623-87-1)

DNEL	TWA (sis): 5 mg/m ³ , STEL (sis): 10 mg/m ³ , TWAEV (sis): 5 mg/m ³ , STEV (sis): 10 mg/m ³ , TWA (solunabilir fraksiyon): 5 mg/m ³
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8.2. Exposure controls

Protective equipment



Appropriate engineering controls	Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
Personal protection	The effectiveness of personal protective equipment, together with other elements, depends on the degree of ventilation. Depending on the particular situation in question, Get professional support. Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers. Koruyucu elbise ve önlüklerin düzenli bakımı yapılmalıdır.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.
Thermal hazards	If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with high temperatures.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Store in a demarcated bunded area to prevent release to drains and/or watercourses.



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Yellow.
Odour	Characteristic.
Odour threshold	Inconclusive data.
pH	Scientifically unjustified.
Melting point	Inconclusive data.
Initial boiling point and range	Inconclusive data.
Flash point	~ 245°C OC (Open cup).
Evaporation rate	Inconclusive data.
Evaporation factor	Inconclusive data.
Flammability (solid, gas)	Inconclusive data.
Upper/lower flammability or explosive limits	Inconclusive data.
Other flammability	Inconclusive data.
Vapour pressure	Inconclusive data.
Vapour density	Inconclusive data.
Relative density	Inconclusive data.
Bulk density	~ 0.87 g/ml
Solubility(ies)	Insoluble in water.
Partition coefficient	Inconclusive data.
Auto-ignition temperature	Inconclusive data.
Decomposition Temperature	Data lacking.
Viscosity	150 cSt @ 40°C
Explosive properties	Inconclusive data.
Explosive under the influence of a flame	No other information known.
Oxidising properties	No other information known.
Comments	No other information known.
Particle characteristic	Not applicable.
9.2. Other information	
Other information	No other information known.
Refractive index	No other information known.



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Particle size	No other information known.
Molecular weight	No other information known.
Volatility	No other information known.
Saturation concentration	No other information known.
Critical temperature	No other information known.
Volatile organic compound	No other information known.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time. Keep away from heat, sparks and open flame.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong reducing agents. Strong alkalis. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products Bozunma sıcaklığına ısıtıldığında COx duman ve tahriş edici buharlarını salabilir.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

Other health effects Based on available data the classification criteria are not met.

Toxicological effects Based on available data the classification criteria are not met.

Acute toxicity - oral

Summary Based on available data the classification criteria are not met.

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Summary Based on available data the classification criteria are not met.

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Summary Based on available data the classification criteria are not met.



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Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
Skin corrosion/irritation Summary	Based on available data the classification criteria are not met.
Skin corrosion/irritation	Based on available data the classification criteria are not met.
Animal data	Based on available data the classification criteria are not met.
Human skin model test	Based on available data the classification criteria are not met.
Extreme pH	Based on available data the classification criteria are not met.
Serious eye damage/irritation Summary	Based on available data the classification criteria are not met.
Serious eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitisation Summary	Based on available data the classification criteria are not met.
Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation Summary	Based on the available data, the product is not expected to have a skin sensitizing effect.
Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity Summary	Based on available data the classification criteria are not met.
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.
Carcinogenicity Summary	Based on available data the classification criteria are not met.
Carcinogenicity	Based on available data the classification criteria are not met.
Target organ for carcinogenicity	No specific target organs known.
IARC carcinogenicity	Based on available data the classification criteria are not met.
NTP carcinogenicity	Based on available data the classification criteria are not met.
Reproductive toxicity Summary	Based on available data the classification criteria are not met.
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicity - single exposure Summary	Based on available data the classification criteria are not met.
STOT - single exposure	Based on available data the classification criteria are not met.
Target organs	No specific target organs known.



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Specific target organ toxicity - repeated exposure

Summary Based on available data the classification criteria are not met.

STOT - repeated exposure Based on available data the classification criteria are not met.

Target organs No specific target organs known.

Aspiration hazard

Summary Based on available data the classification criteria are not met.

Aspiration hazard Based on available data the classification criteria are not met.

Toxicokinetics

No other information known.

General information

No other information known.

Inhalation

Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion

May cause discomfort if swallowed.

Skin contact

May cause skin sensitisation or allergic reactions in sensitive individuals.

Eye contact

Vapour or spray in the eyes may cause irritation and smarting.

Acute and chronic health hazards No other information known.

Route of exposure No other information known.

Target organs No other information known.

Medical symptoms No other information known.

Medical considerations No other information known.

11.2 Information on other hazards

Information on other hazards This product does not have endocrine disrupting properties.

Toxicological information on ingredients.

Fuelsi diesel

Carcinogenicity

Carcinogenicity Known or suspected carcinogen for humans.

1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ >10000 mg/kg, Oral, Rat NOAEL, Sub-akut 50 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC50 >2,75 mg/l, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation Moderately irritating.



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Serious eye damage/irritation

Serious eye damage/irritation Moderately irritating.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Bacterial reverse mutation test: Negative. Chromosome aberration: Negative.

Reproductive toxicity

Reproductive toxicity - fertility Fertility - Negative., Oral, Rat

Reproductive toxicity - development Maternal toxicity: - : Negative., Oral, Rat Developmental toxicity: - : Negative., Oral, Rat

SECTION 12: Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity Harmful to aquatic life with long lasting effects.

Acute aquatic toxicity

Summary No other information known.

Acute toxicity - fish No other information known.

Acute toxicity - aquatic invertebrates No other information known.

Acute toxicity - aquatic plants No other information known.

Acute toxicity - microorganisms No other information known.

Acute toxicity - terrestrial No other information known.

Chronic aquatic toxicity

Summary No other information known.

Chronic toxicity - fish early life stage No other information known.

Short term toxicity - embryo and sac fry stages No other information known.

Chronic toxicity - aquatic invertebrates No other information known.

Toxicity to soil No other information known.

Toxicity to terrestrial plants No other information known.

Ecological information on ingredients.

1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hour: 1000 mg/l, Fish



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Acute toxicity - aquatic invertebrates EL50, 48 hour: 41 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

Phototransformation No other information known.

Stability (hydrolysis) No other information known.

Biodegradation No other information known.

Biological oxygen demand No other information known.

Chemical oxygen demand No other information known.

12.3. Bioaccumulative potential

Bioaccumulative potential No other information known.

Partition coefficient Inconclusive data.

12.4. Mobility in soil

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

Adsorption/desorption coefficient No other information known.

Henry's law constant No other information known.

Surface tension No other information known.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No other information known.

12.6 Endocrine disrupting properties

Endocrine disrupting properties This product does not have endocrine disrupting properties.

Ecological information on ingredients.

Fuelsi diesel

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects No other information known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.



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According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.
Commission Regulation (EU) 2020/878 of 18 June 2020.

Disposal methods Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Dispose of contents/container in accordance with local regulations. Avoid the spillage or runoff entering drains, sewers or watercourses. Environmental Manager must be informed of all major spillages.

Waste class The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

UN number or ID number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

Transport labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Maritime transport in bulk according to IMO instruments

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations T. C. Regulation on the Classification, Labeling and Packaging of Substances and Mixtures No. 28848, dated 11 December 2013, by the Ministry of Environment and Urbanization.
According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010



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EU legislation	Dangerous Preparations Directive 1999/45/EC. Dangerous Substances Directive 67/548/EEC. Council Directive of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (as amended). Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended). Commission Regulation (EU) No 453/2010 of 20 May 2010.
Guidance	Safety Data Sheets for Substances and Preparations. Source: European Chemicals Agency, http://echa.europa.eu/
Health and environmental listings	Hazardous ingredients are listed.

15.2. Chemical safety assessment

Not applicable.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	E.U. : European union T.C. : Republic of Turkey TWA: Workplace exposure limits CAS: Chemical Abstracts Service. DNEL: Derived No Effect Level. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods. LC ₅₀ : Lethal Concentration to 50 % of a test population. LD ₅₀ : Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No Effect Concentration. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. vPvB: Very Persistent and Very Bioaccumulative. MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. vPvB: Very Persistent and Very Bioaccumulative. BCF: Bioconcentration Factor. LOAEL: Lowest Observed Adverse Effect Level. NOAEL: No Observed Adverse Effect Level. NOEC: No Observed Effect Concentration. DMEL: Derived Minimal Effect Level.
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Classification abbreviations and acronyms	<p>Acute Tox. = Acute toxicity Flam. Liq. = Flammable liquid Asp. Tox. = Aspiration hazard STOT SE = Specific target organ toxicity-single exposure STOT RE = Specific target organ toxicity-repeated exposure Skin Corr. = Skin corrosion Skin Sens. = Skin sensitisation Skin Irrit. = Skin irritation Eye Dam. = Serious eye damage Eye Irrit. = Eye irritation Carc. = Carcinogenicity Aquatic Acute = Hazardous to the aquatic environment (acute) Aquatic Chronic = Hazardous to the aquatic environment (chronic)</p>
General information	<p>MSDS Distribution : The information in this document should be made available to all who may handle the product. Uses and Restrictions : This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. This document contains important information to ensure the safe storage, handling and use of this product. The information in this document should be brought to the attention of the person in your organisation responsible for advising on safety matters. Only trained personnel should use this material. Disclaimer : This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.</p>
Key literature references and sources for data	<p>This SDS is prepared based on the information received from raw material suppliers.</p>
Classification procedures according to Regulation (EC) 1272/2008	<p>Not classified for physical hazards.: Calculation method., Supplier information</p>
Training advice	<p>Untrained personnel should not use.</p>
Revision comments	<p>Revised classification.</p>
Issued by	<p>Ece Yigit Chemical Assessment Specialist (Certificate No: KDU01.30.08 18.02.2028)</p>
Revision date	<p>14/02/2024</p>
Revision	<p>3</p>
Supersedes date	<p>06/05/2020</p>
SDS number	<p>20724</p>

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