

# SAFETY DATA SHEET GRAVIS SP 100

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 100

Product number 28129

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 OFISI A.Ş.

Ünalan Mahallesi, Libadiye Caddesi No: 82F Kat: 2-3-4, 34700 Üsküdar/ Istanbul

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 Müşteri Hizmetleri: 0850 339 19 19 (mesai saatleri)

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

Precautionary statements P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P401 Store in accordance with national regulations. P401 Store in accordance with international regulations.

P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

Not applicable.

# SECTION 3: Composition/information on ingredients



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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.

#### 3.2. Mixtures

1-decene homopolymer hydrogenated

80-95%

CAS number: 68037-01-4

Classification

Asp. Tox. 1 - H304

The full text for all hazard statements is displayed in Section 16.

Composition comments Some substances are not classified by legistlation. They are self classified by the manufacturer. The

DMSO extract by IP 346 of the oil is less than 3%

Ingredient notes If REACH registration numbers do not appear the substance is either exempt from registration, does not

meet the minimum

volume threshold for registration, the registration date has not yet come due or this information is

proprietary.

#### SECTION 4: First aid measures

# 4.1. Description of first aid measures

General information Get medical attention if any discomfort continues.

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 affected person from source of contamination. Remove any contact lenses and open eyelids

wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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 adverse effects known.

 Ingestion
 No specific symptoms known.

 Skin contact
 No specific symptoms known.

**Eye contact** Causes eye irritation.

# 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

The product is not flammable. Carbon dioxide (CO2). Foam. Dry chemicals. Water spray.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.



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## 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 (CO2). Carbon monoxide (CO). A complex mixture of airborne solids, liquids and gases

can be released.

5.3. Advice for firefighters

Protective actions during

firefighting

Avoid breathing fire gases or vapours.

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

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

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 Wear protective clothing as described in Section 8 of this safety data sheet.

#### 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. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

#### 6.4. Reference to other sections

**Reference to other sections**For personal protection, see Section 8. See Section 1 for emergency contact information. For waste disposal, see Section 13. See Section 7 for more information on safe handling. See Section 11 for

disposal, see Section 13. See Section 7 for more information on safe handling. 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. Provide adequate ventilation.

Advice on general occupational

hygiene

Good personal hygiene procedures should be implemented. Avoid breathing vapors / mist. Do not eat, drink or smoke when using this product. Wash after use and before eating, smoking and using the toilet.

#### 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.



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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.

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.

#### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

# Occupational exposure limits No other information known.

Ingredient comments WEL = Workplace Exposure Limits

Biological limit values

No information available.

No information available.

No information available.

PNEC

No information available.

1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol (CAS: 89347-09-1)

PNEC Water; 0,041 mg/l

#### 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.

**Eye/face protection** Use safety goggles and face shield in case of splash risk.

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 Provide eyewash station. Do not smoke in work area. Wash at the end of each work shift and before

eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use

appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection Respiratory protection may be required if excessive airborne contamination occurs. Use appropriate

respiratory protection if there is the potential to exceed the exposure limits.

Thermal hazards If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with

high temperatures.



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#### 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. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Keep container tightly sealed when not in

#### SECTION 9: Physical and chemical properties

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

Appearance Liquid.

Colour Yellow.

Odour Characteristic.

Odour threshold No specific test data are available.

**pH** Scientifically unjustified.

Melting point

No specific test data are available.

Initial boiling point and range

No specific test data are available.

**V** 

**Evaporation rate** No specific test data are available.

**Evaporation factor** No specific test data are available.

Flammability (solid, gas) No specific test data are available.

Upper/lower flammability or

explosive limits

Flash point

No specific test data are available.

>200°C OC (Open cup).

Other flammability

No specific test data are available.

Vapour pressure

No specific test data are available.

Vapour density

No specific test data are available.

Bulk density No specific test data are available.

Solubility(ies) Hydrocarbons.

Partition coefficient

No specific test data are available.

Auto-ignition temperature

No specific test data are available.

Decomposition Temperature

No specific test data are available.

**Viscosity** 90-110 cSt @ 40°C

Explosive properties No specific test data are available.

Explosive under the influence of a No specific test data are available.

flame

No specific test data are available

Oxidising properties Not known.

**Comments** No specific test data are available.

Particle characteristic Not applicable



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9.2. Other information

Other information No information required.

Refractive index

No specific test data are available.

Particle size

No specific test data are available.

Molecular weight

No specific test data are available.

Volatility

No specific test data are available.

Saturation concentration

No specific test data are available.

Volatile organic compound No specific test data are available.

## SECTION 10: Stability and reactivity

10.1. Reactivity

Critical temperature

Reactivity No dangerous reaction known under conditions of normal use

No specific test data are available.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

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. Avoid contact with strong oxidising agents.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition

Fire creates: Carbon monoxide (CO).

products

# 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** No information available.

Acute toxicity - oral

Summary

Based on available data the classification criteria are not met.

Notes (oral LD<sub>80</sub>)

Based on available data the classification criteria are not met.

Acute toxicity - dermal

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



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Notes (dermal LD₅o) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

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

Notes (inhalation LC<sub>50</sub>) 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** Eye contact may cause irritation.

**Serious eye damage/irritation** Causes eye irritation.

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 available data the classification criteria are not met.

**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 Not listed.

NTP carcinogenicity Not listed.

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.



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

**Target organs** No specific target organs known.

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 Slight irritation of the respiratory tract may occur, if mists are inhaled.

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

ToxicokineticsNo other information known.General informationNo other information known.InhalationNo other information known.IngestionNo other information known.

**Skin contact** Skin irritation should not occur when used as recommended.

Eye contact

No other information known.

Acute and chronic health hazards

No other information known.

Route of exposure

No other information known.

**Target organs** No specific target organs known.

Medical symptomsNo other information known.Medical considerationsNo other information known.

11.2 Information on other hazards

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

## SECTION 12: Ecological information

**Ecotoxicity** Not known.

12.1. Toxicity

**Toxicity** No information available.

Acute aquatic toxicity

Summary

No other information known.

Acute toxicity - fish

No other information known.

Acute toxicity - aquatic

No other information known.

invertebrates

Acute toxicity - aquatic plants No other information known.

Acute toxicity - microorganisms No other information known.



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Acute toxicity - terrestrial No other information known.

Chronic aquatic toxicity

Chronic toxicity - fish early life

stage

No specific test data are available.

Short term toxicity - embryo and

sac fry stages

No specific test data are available.

Chronic toxicity - aquatic

invertebrates

No specific test data are available.

Toxicity to soil

No specific test data are available.

Toxicity to terrestrial plants

No specific test data are available.

12.2. Persistence and degradability

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

PhototransformationNo specific test data are available.Stability (hydrolysis)No specific test data are available.BiodegradationNo specific test data are available.Biological oxygen demandNo specific test data are available.Chemical oxygen demandNo specific test data are available.

12.3. Bioaccumulative potential

Bioaccumulative potential No specific test data are available.

Partition coefficient No specific test data are available.

12.4. Mobility in soil

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

Adsorption/desorption coefficient

No specific test data are available.

Henry's law constant

No specific test data are available.

Surface tension

No specific test data are available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

assessment

No data available.

12.6 Endocrine disrupting

properties

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

12.6. Other adverse effects

Other adverse effects No other information known.

# SECTION 13: Disposal considerations

# 13.1. Waste treatment methods



# **GRAVIS SP 100**

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

General information The generation of waste should be minimised or avoided wherever possible. Waste, residues, empty

containers, discarded work clothes and contaminated cleaning materials should be collected in

designated containers, labelled with their contents.

Disposal methods Collect and place in suitable waste disposal containers and seal securely. Dispose of waste to licensed

waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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

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 Not applicable

Transport in bulk according to

Not applicable.

Annex II of MARPOL 73/78 and

the IBC Code

# SECTION 15: Regulatory information

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

T. C. Regulation on the Classification, Labeling and Packaging of Substances and Mixtures No. 28848, National regulations

dated 11 December 2013, by the Ministry of Environment and Urbanization.

According to Regulation (EC) No 1907/2006, Annex II, as amended.



## **GRAVIS SP 100**

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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.

Health and environmental listings Hazardous ingredients are listed.

#### 15.2. Chemical safety assessment

Not applicable.

#### SECTION 16: Other information

Abbreviations and acronyms used E.U.: European union

DMSO: Dimethyl sulfoxide

in the safety data sheet KKE: Personal protective aquipment STEL: Short term exposure limit

T.C.: Republic of Turkey TWA: Workplace exposure limits

UZEM: National Poison Information Center

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service. DNEL: Derived No Effect Level. GHS: Globally Harmonized System.

IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods.

Kow: Octanol-water partition coefficient.

LC₅o: Lethal Concentration to 50 % of a test population.

LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).

PBT: Persistent. Bioaccumulative and Toxic substance.

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No

1907/2006.

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.

vPvB: Very Persistent and Very Bioaccumulative. IARC: International Agency for Research on Cancer.

MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified

by the Protocol of 1978. BCF: Bioconcentration Factor. BOD: Biochemical Oxygen Demand.

EC50: 50% of maximal Effective Concentration. LOAEL: Lowest Observed Adverse Effect Level. NOEC: No Observed Effect Concentration.

Classification abbreviations and

acronyms

Asp. Tox. = Aspiration hazard Skin Corr. = Skin corrosion

Aquatic Acute = Hazardous to the aquatic environment (acute) Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Eye Dam. = Serious eye damage Repr. = Reproductive toxicity



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

General information

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.

Key literature references and sources for data

This SDS is prepared based on the information received from raw material suppliers.

Classification procedures according to Regulation (EC)

Aquatic Chronic 4 - H413: On basis of test data., Calculation method.

1272/2008

**Training advice** Untrained personnel should not use.

Revision comments Revised classification.

Issued by Sena Ezgi Selçuk Chemical Assessment Specialist (Certificate No: KDU01.29.06 17.12.2027)

Revision date 23/07/2024

Revision 3

Supersedes date 17/06/2011

SDS number 10263

Hazard statements in full H304 May be fatal if swallowed and enters airways.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.