

# Safety Data Sheet

According to 1907/2006 (REACH) Article 31,  
2020/878/EU and 1272/2008/EC  
Date: 24.01.2022 – Version A

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier:

**STR8 ORIGINAL DEODORANT SPRAY**

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

Cosmetic product

### 1.3 Details of the supplier of the safety data sheet:

GR. SARANTIS S.A.  
26, Amaroussiou-Halandriou Str., 151 25 MAROUSSI, GREECE  
Tel.: (+30) 210.6173000  
Web: [www.sarantisgroup.com](http://www.sarantisgroup.com), e-mail: [info@sarantis.gr](mailto:info@sarantis.gr)

### 1.4 Emergency telephone number:

Hellenic Poison Center Tel.: (+30) 210.7793777  
European Emergency Tel.: **112**

### Supplier's emergency telephone number:

Calls from 09:00 to 17:00 (local time): (+30) 210.6173000

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture:

According to EC Regulation 1272/2008 (CLP), cosmetics are excluded from this regulation, concerning classification and labelling. This document has been compiled only for handling and transportation purposes. For these reasons the product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

#### Hazard classification and indication:

Aerosol, category 1	H222	Extremely flammable aerosol.
	H229	Pressurised container: may burst if heated.
Eye irritation, category 2	H319	Causes serious eye irritation.

### 2.2 Label elements:

Hazard labeling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements:

#### Hazard pictograms:



GHS02



GHS07

Signal words: **DANGER**

#### Hazard statements:

<b>H222</b>	Extremely flammable aerosol.
<b>H229</b>	Pressurised container: may burst if heated.
<b>H319</b>	Causes serious eye irritation.

#### Precautionary statements:

<b>P101</b>	If medical advice is needed, have product container or label at hand.
<b>P102</b>	Keep out of reach of children.

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- P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
**P211** Do not spray on an open flame or other ignition source.  
**P251** Do not pierce or burn, even after use.  
**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P410 + P412** Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.

## 2.3 Other hazards:

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%. The product does not contain substances with endocrine disrupting properties in concentration 0.1%.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances:

Information not relevant.

### 3.2 Mixtures:

Contains:

Identification	Conc. %	Classification 1272/2008 (CLP)
<b>Ethanol</b>		
CAS. 64-17-5 EC. 200-578-6 INDEX. 603-002-00-5 Reg. no. 01-2119457610-43	40 - < 45	Flam. Liq. 2 H225, Eye Irrit. 2 H319  Eye Irrit. 2 H319: 50%
<b>Butane</b>		
CAS. 106-97-8 EC. 203-448-7 INDEX. 601-004-00-0 Reg. no. 01-2119474691-32	22 - < 25	Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: C, U
<b>Isobutane</b>		
CAS. 75-28-5 EC. 200-857-2 INDEX. 601-004-00-0 Reg. no. 01-2119485395-27	16 - < 19	Flam. Gas 1A H220, Press. Gas H280
<b>Propane</b>		
CAS. 74-98-6 EC. 200-827-9 INDEX. 601-003-00-5 Reg. no. 01-2119486944-21	9 - < 10	Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: U

The full wording of the hazard (H) phrases is given in section 16 of the sheet.

The product is an aerosol containing propellants. For the purposes of calculation of the health hazards, propellants are not considered (unless they have health hazards). The percentages indicated are inclusive of the propellants.

Percentage of propellants: 50.00 %

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures:

No episodes of harm to the staff authorised to use the product have been reported. The following general measures should be adopted as necessary:

**INHALATION:** Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention.

**INGESTION:** Get medical advice/attention. Induce vomiting only if indicated by the doctor. Do not give anything by mouth to an unconscious person.

**EYES and SKIN:** Wash with plenty of water. In the event of persistent irritation, get medical advice/attention.

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**4.2 Most important symptoms and effects, both acute and delayed:**  
Specific information on symptoms and effects caused by the product are unknown.

**4.3 Indication of any immediate medical attention and special treatment needed:**  
Information not available.

## 5. FIREFIGHTING MEASURES

**5.1 Extinguishing media:**  
SUITABLE EXTINGUISHING EQUIPMENT  
The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT  
None in particular.

**5.2 Special hazards arising from the substance or mixture:**  
HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE  
If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the fire. Do not breathe combustion products.

**5.3 Advice for firefighters:**  
GENERAL INFORMATION  
Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS  
Normal firefighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:**  
Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

**6.2 Environmental precautions:**  
Do not disperse in the environment.

**6.3 Methods and material for containment and cleaning up:**  
Use inert absorbent material to soak up leaked product. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in section 13.

**6.4 Reference to other sections:**  
Any information on personal protection and disposal is given in sections 8 and 13.

## 7. HANDLING AND STORAGE

**7.1 Precautions for safe handling:**  
Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

**7.2 Conditions for safe storage, including any incompatibilities:**  
Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources. Keep at temperatures between 15°C and 25°C with ≤ 60% relative humidity.

**7.3 Specific end use(s):**  
Information not available.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters:

ETHANOL					
Threshold Limit Value.					
Type	Country	TWA/8h		STEL/15min	
		mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm
WEL	GRB	1920	1000		
TLV	GR	1900	1000		
TLV-ACGIH				1884	1000

  

BUTANE					
Threshold Limit Value.					
Type	Country	TWA/8h		STEL/15min	
		mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm
WEL	GRB	1450	600	1810	750
TLV	GR	2350	1000		
TLV-ACGIH					1000

  

PROPANE					
Threshold Limit Value.					
Type	Country	TWA/8h		STEL/15min	
		mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm
TLV	GR	1800	1000		

### 8.2 Exposure controls:

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

#### 8.2.1 Eye/face protection:

Wear airtight protective goggles (see standard EN 166).

#### 8.2.2 Skin protection:

##### Hand protection:

None required.

##### Other:

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

#### 8.2.3 Respiratory protection:

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask with a type AX filter combined with a type P filter should be worn (see standard EN 14387).

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

#### 8.2.4 Environmental exposure controls:

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance:	Aerosol
Color:	Yellowish
Odor:	Characteristic / to match std
pH:	Not applicable
Specific gravity (bulk):	0.807±0.005 g/ml (@20°C)
Refractive index (bulk):	1.371±0.005

### 9.2 Other information:

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VOC (Directive 2010/75/EC): 77.50 %  
VOC (volatile carbon): 50.50 %

## 10. STABILITY AND REACTIVITY

### 10.1 **Reactivity:**

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2 **Chemical stability:**

The product is stable in normal conditions of use and storage.

### 10.3 **Possibility of hazardous reactions:**

No hazardous reactions are foreseeable in normal conditions of use and storage.

ETHANOL

Risk of explosion on contact with: alkaline metals, alkaline oxides, calcium hypochlorite, sulphur monofluoride, acetic anhydride, acids, concentrated hydrogen peroxide, perchlorates, perchloric acid, perchloronitrile, mercury nitrate, nitric acid, silver, silver nitrate, ammonia, silver oxide, ammonia, strong oxidising agents, nitrogen dioxide. May react dangerously with: bromoacetylene, chlorine acetylene, bromine trifluoride, chromium trioxide, chromyl chloride, fluorine, potassium tert-butoxide, lithium hydride, phosphorus trioxide, black platinum, zirconium (IV) chloride, zirconium (IV) iodide. Forms explosive mixtures with: air.

### 10.4 **Conditions to avoid:**

Avoid overheating.

ETHANOL

Avoid exposure to: sources of heat, naked flames.

### 10.5 **Incompatible materials:**

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

### 10.6 **Hazardous decomposition products:**

Information not available.

## 11. TOXICOLOGICAL INFORMATION

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY.

ATE (Inhalation) of the mixture: Not classified (no significant component).

ATE (Oral) of the mixture: Not classified (no significant component).

ATE (Dermal) of the mixture: Not classified (no significant component).

ETHANOL

LD<sub>50</sub> (Oral): > 5000 mg/kg Rat

LC<sub>50</sub> (Inhalation vapours): 120 mg/l/4h Pimephales promelas

SKIN CORROSION / IRRITATION.

Does not meet the classification criteria for this hazard class.

SERIOUS EYE DAMAGE / IRRITATION.

Causes serious eye irritation.

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## RESPIRATORY OR SKIN SENSITISATION.

Does not meet the classification criteria for this hazard class.

## GERM CELL MUTAGENICITY.

Does not meet the classification criteria for this hazard class.

## CARCINOGENICITY.

Does not meet the classification criteria for this hazard class.

## REPRODUCTIVE TOXICITY.

Does not meet the classification criteria for this hazard class.

## STOT - SINGLE EXPOSURE.

Does not meet the classification criteria for this hazard class.

## STOT - REPEATED EXPOSURE.

Does not meet the classification criteria for this hazard class.

## ASPIRATION HAZARD.

Does not meet the classification criteria for this hazard class.

### **11.2 Information on other hazards:**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

## **12. ECOLOGICAL INFORMATION**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

### **12.1 Toxicity:**

Information not available.

### **12.2 Persistence and degradability:**

#### BUTANE

Solubility in water. 0.1 - 100 mg/l

Rapidly degradable.

#### PROPANE

Solubility in water. 0.1 - 100 mg/l

Rapidly degradable.

#### ETHANOL

Solubility in water. 1000 - 10000 mg/l

Rapidly degradable.

### **12.3 Bioaccumulative potential:**

#### BUTANE

Partition coefficient: n-octanol/water. 1.09

#### PROPANE

Partition coefficient: n-octanol/water. 1.09

#### ETHANOL

Partition coefficient: n-octanol/water. -0.35

### **12.4 Mobility in soil:**

Information not available.

### **12.5 Results of PBT and vPvB assessment:**

Based on available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%.

### **12.6 Endocrine disrupting properties:**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

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**12.7 Other adverse effects:**  
Information not available.

## 13. DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods:**  
Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.  
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.  
Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING  
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## 14. TRANSPORT INFORMATION

**14.1 UN number or ID number:**  
ADR / RID, IMDG, IATA: **1950**

**14.2 UN proper shipping name:**  
ADR / RID: AEROSOLS  
IMDG: AEROSOLS  
IATA: AEROSOLS, FLAMMABLE

**14.3 Transport hazard class(es):**

ADR / RID: Class: 2 Label: 2.1



IMDG: Class: 2 Label: 2.1



IATA: Class: 2 Label: 2.1



**14.4 Packing group:**  
ADR / RID, IMDG, IATA: -

**14.5 Environmental hazards:**  
ADR / RID: No  
IMDG: No  
IATA: No

**14.6 Special precautions for user:**

ADR / RID:	HIN - Kemler: -	Limited Quantities: 1 L	Tunnel restriction code (D)
	Special Provision: -		
IMDG:	EMS: F-D, S-U	Limited Quantities: 1 L	
IATA:	Cargo:	Maximum quantity: 150 kg	Packaging instructions: 203
	Passenger:	Maximum quantity: 75 kg	Packaging instructions: 203
	Special Instructions:	A145, A167, A802	

**14.7 Maritime transport in bulk according to IMO instruments:**  
Information not relevant.

## 15. REGULATORY INFORMATION

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

Seveso Category - Directive 2012/18/EC: **P3a**

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Substances in Candidate List (Art. 59 REACH).

Based on available data, the product does not contain any SVHC in percentage greater than 0.1%.

Substances subject to authorisation (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012.

None.

Substances subject to the Rotterdam Convention.

None.

Substances subject to the Stockholm Convention.

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

**15.2 Chemical safety assessment:**

No chemical safety assessment has been processed for the mixture and the substances it contains.

**16. OTHER INFORMATION**

Publisher of Safety Data Sheet:



**QACS Ltd**

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E-mail: [info@qacs.gr](mailto:info@qacs.gr)  
Website: [www.qacs-lab.com](http://www.qacs-lab.com)

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

<b>Flam. Gas 1A</b>	Flammable gas, category 1A.
<b>Aerosol 1</b>	Aerosol, category 1.
<b>Aerosol 3</b>	Aerosol, category 3.
<b>Flam. Liq. 2</b>	Flammable liquid, category 2.
<b>Press. Gas (Liq.)</b>	Liquefied gas.
<b>Press. Gas</b>	Pressurised gas.
<b>Eye Irrit. 2</b>	Eye irritation, category 2.
<b>H220</b>	Extremely flammable gas.
<b>H222</b>	Extremely flammable aerosol.
<b>H229</b>	Pressurised container: may burst if heated.
<b>H225</b>	Highly flammable liquid and vapour.
<b>H280</b>	Contains gas under pressure; may burst if heated.
<b>H319</b>	Causes serious eye irritation.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation



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- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

## GENERAL BIBLIOGRAPHY

1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP) of the European Parliament
13. Regulation (EU) 2017/776 (X Atp. CLP) of the European Parliament
14. Regulation (EU) 2018/669 (XI Atp. CLP) of the European Parliament
15. Regulation (EU) 2019/521 (XII Atp. CLP) of the European Parliament
16. Delegated Regulation (EU) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (EU) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (EU) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (EU) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (EU) 2021/849 (XVII Atp. CLP)
22. The Merck Index. - 10th Edition
23. Handling Chemical Safety
24. Niosh - Registry of toxic effects of chemical substances
25. INRS - Fiche Toxicologique (toxicological sheet)
26. Patty - Industrial Hygiene and Toxicology
27. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
28. ECHA website

### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

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Provide appointed staff with adequate training on how to use chemical products.

#### CALCULATION METHODS FOR CLASSIFICATION

**Chemical and physical hazards:** Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

**Health hazards:** Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

**Environmental hazards:** Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

#### Changes to previous review:

The following sections were modified:  
Initial version.