

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

NAME OF THE PRODUCT	S500 Dashboard cleaner spray, silicone-free 500 ml
CODE	110051
DISTRIBUTOR	BOSSAUTO INNOVA, S.A.
ADDRESS	c/ Thomas Edison 16, Apartado de correos 95
CITY	08430 La Roca del Vallés (Barcelona)
TEL	+ 34 93 860 49 23
FAX	+34 93 871 23 36
E-MAIL	info@bossauto.com
WEB	www.bossauto.com

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

A. Regulation n°1272/2008 (CLP)



GHS02 Flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.



GHS09 Environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
 STOT SE 3 H336 May cause drowsiness or dizziness.

2.2. Label elements

A. Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

• **Hazard pictograms**



GHS02 GHS07 GHS09

• **Signal word**

Danger

• **Hazard-determining components of labelling**

Naphtha (petroleum), hydrotreated light
 pentane
 propan-2-ol

• **Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
 H315 Causes skin irritation.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

• **Precautionary statements**

P102 Keep out of reach of children.
 P260 Do not breathe spray.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P251 Do not pierce or burn, even after use.
 P211 Do not spray on an open flame or other ignition source.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 P501 Dispose of contents/container in accordance with local regulations.






2.3. Other hazards









Results of PBT and vPvB assessment
 PBT: Not applicable.
 vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixture

Description: Active substance with propellant.

CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21-xxxx	propane  Flam. Gas 1, H220 Press. Gas C, H280	20-25%
Número CE: 921-024-6 Reg.nr.: 01-2119475514-35	Naphtha (petroleum), hydrotreated light  Flam. Liq. 2, H225  Asp. Tox. 1, H304  Aquatic Chronic 2, H411  Skin Irrit. 2, H315; STOT SE 3, H336	12,5-20%

CAS: 109-66-0 EINECS: 203-692-4 Index number: 601-006-00-1 Reg.nr.: 01-2119459286-30-xxxx	pentane  Flam. Liq. 2, H225  Asp. Tox. 1, H304  Aquatic Chronic 2, H411  STOT SE 3, H336	12,5-20%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32-xxxx	butane  Flam. Gas 1, H220 Press. Gas C, H280	12,5-20%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27-xxxx	isobutane  Flam. Gas 1, H220 Press. Gas C, H280	12,5-20%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25-xxxx	propan-2-ol  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336	2,5-5%

Additional information: For the wording of the listed hazard phrases refer to section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

A. After inhalation

Supply fresh air. Consult a doctor, in case of complaints.

B. After skin contact

Generally, the product does not irritate the skin.

C. After eye contact

Rinse opened eye for several minutes under running water.

D. After swallowing

Drink plenty of water and provide fresh air. Call for a doctor immediately.

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

No further relevant information available.

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

No further relevant information available.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2. Special hazards caused by the substance, its products of combustion or resulting gases

No further relevant information available.

5.3. Advice for firefighters

Protective equipment: No special measures required.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Keep away from ignition sources.

6.2. Environmental precautions

Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/surface or ground water.

6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation.

6.4. Reference to other sections

See section 7 for information on safe handling.
See section 8 for information on personal protection equipment.
See section 13 for disposal information.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

A. Fire-and explosion prevention

Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

7.2. Conditions for a safety storage, including incompatibilities

A. Storage

- **Requirements to be met by storerooms and receptacles**

Store in a cool place.

Observe official regulations on storing packagings with pressurized containers.

- **Information about storage in one common storage facility**

Not required.

- **Further information about storage conditions**

Protect from heat and direct sunlight.

7.3. Specific end uses

No further information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

8.1. Control parameters

A. Ingredients with limit values that require monitoring at the workplace

109-66-0 Pentane
WEL Long-term value: 1800 mg/m ³ , 600 ppm
106-97-8 butane
WEL Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
67-63-0 propan-2-ol
WEL Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm

Additional information: the lists valid during the making were used as basis.

8.2. Exposure control

A. Personal protective equipment

- **General protective and hygienic measures**

Wash hands before breaks and at the end of work.
 Do not inhale gases/fumes/aerosols.

- **Respiratory protection**

Not required.

- **Protection of hands**

Not required.

- Material of gloves

Not required.

- Penetration time of glove material

Not required.

- **Eye protection**

Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic physical and chemical properties

Form	Aerosol
Colour	Colourless
Odour	Fruit-like
Odour threshold	Not determined
pH value	Not determined
Melting point/melting range	Not determined
Boiling point/boiling range	Not applicable, as aerosol.
Flash point	<0 °C (<32 °F). Not applicable, as aerosol.
Flammability (solid, gas)	Not applicable
Self-ignition	>200°C. (> 392 °F)
Decomposition	Not determined.
Self-ignition:	This product is no self-igniting.
Danger of explosion	This product is no explosive; however, may form flammable/explosive vapour-air mixture.

Lower explosive limit	0.6 Vol %
Upper explosive limit	10.9 Vol %
Vapour pressure at 20°C (68 °F)	3500 hPa (2625 mm Hg)
Density at 20°C (68 °F)	0.621 g/cm ³ (5.182 lbs/gal)
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not applicable
Solubility/miscibility in water at 20°C	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water)	Not determined
Viscosity	
Dynamic at 20°C	Not determined
Kinematic	Not determined
Solvent content	
Organic solvents	95.8 %
EU-VOC	595.2 g/l
EU-VOC in %	95.85 %
Solids content	8.4 %

9.2. Additional information

No further relevant information available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.

10.3. Dangerous reactions

No dangerous reactions are known.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No further relevant information available.

10.6. Dangerous decomposition products

No dangerous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological

A. Acute toxicity

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

LD/LC50 values relevant for classification:		
Naphtha (petroleum), hydrotreated light		
Oral	LD50	>5840 mg/kg (rat)
Dermal	LD50	>2920 mg/kg (rabbit)
Inhalative	LC50/4h	>2 mg/l (rat)

109-66-0 pentane		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rabbit)
Inhalative	LC50/4h	>4951 mg/l (rat)
106-97-8 butane		
Inhalative	LC50 / 4 h	658000 mg/m ³ (rat)
Naphta (petroleum), hydrotreated heavy		
Oral	LD50	>15000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab)
Inhalative	LC50/4h	>2.8 mg/m ³ (rat)
67-63-0 propan-2-ol		
Oral	LD50	5045 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50/4h	30 mg/m ³ (rat)

B. Primary irritant effect

- **Skin corrosion/irritation**

Causes skin irritation.

- **Serious eye damage/irritation**

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

- **Respiratory or skin sensitisation**

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

C. CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

- **Germ cell mutagenicity**

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

- **Carcinogenicity**

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

- **Reproductive toxicity**

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

- **STOT-single exposure**

May cause drowsiness or dizziness.

- **STOT-repeated exposure**

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

- **Aspiration hazard**

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

12. ECOLOGICAL INFORMATION

12.1. Toxicity

A. Aquatic toxicity

Naphtha (petroleum), hydrotreated light	
EL50 (72h)	30-100 mg/l (Pseudokirchneriella subcapitata)
EL50 (48h)	3 mg/l (Dm)
LL50 (96h)	11,4 mg/l (Oncorhynchus mykiss (96h))

109-66-0 pentane	
EC50 / 48 h	9.7 mg/l (daphnia magna)
LC50 / 96 h	1-10 mg/l (fish)
Naphta (petroleum), hydrotreated heavy	
LC50 / 96 h	>100 mg/l (crustacean (amphipod)) >100 mg/l (fish)
67-63-0 propan-2-ol	
EC50 / 48 h	13299 mg/l (daphnia magna)
LC50 / 96 h (dynamic)	4200 mg/l (fish)

12.2. Persistence and degradability

No further relevant information available.

12.3. Bioaccumulation potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

A. Ecotoxicological effects

Notes: Toxic for fish.

B. Additional environmental directions

General directions:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects

No further relevant information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recommendation: must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue
20 01 13* solvents
15 01 04 metallic packaging

13.2. Uncleansed packages

Recommendation: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

14.1. UN-Number

ADR, IMDG, IATA: UN1950

14.2. UN proper shipping name

ADR 1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS

- IMDG AEROSOLS (Naphtha (petroleum), hydrotreated light, PENTANES), MARINE POLLUTANT
- IATA AEROSOLS, flammable

14.3. Transport hazard class

ADR



Class: 2 5F Gases

Label: 2.1

IMDG



Class: 2.1

Label: 2.1

IATA



Class: 2.1

Label: 2.1

14.4. Packaging group

ADR, IMDG, IATA: Void

14.5. Environmental hazards

Marine pollutant: Yes

Symbol (fish and tree)

Special marking (ADR): Symbol (fish and tree)

14.6. Special precautions for users

Warning: Gases

Kemler number: -

EMS number: F-D, S-U

- Stowage Code SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
- Segregation Code SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

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

A. Transport/additional data

ADR

Limited quantities (LQ): 1L

Excepted quantities (EQ): Code E0. Not permitted as excepted quantity.

Transport category 2

Tunnel restriction code: D

IMDG

Limited quantities (LQ): 1L

Excepted quantities (EQ): Code E0. Not permitted as excepted quantity.

B. UN "Model Regulation"

UN1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS, 2.1

15. REGULATORY INFORMATION

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

A. Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category P3a FLAMMABLE AEROSOLS

E2 Hazardous for the aquatic environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• Relevant phrases

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

• Abbreviations and acronyms

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1: Flammable gases – Category 1

Aerosol 1: Aerosols – Category 1

Press. Gas C: Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2