

## SAFETY DATA SHEET

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

<b>NAME OF THE PRODUCT</b>	C900 Contact adhesive spray 500 ml
<b>CODE</b>	110006
<b>DISTRIBUTOR</b>	BOSSAUTO INNOVA, S.A.
<b>ADDRESS</b>	c/ Thomas Edison 16, Apartado de correos 95
<b>CITY</b>	08430 La Roca del Vallés (Barcelona)
<b>TEL</b>	+ 34 93 860 49 23
<b>FAX</b>	+34 93 871 23 36
<b>E-MAIL</b>	<a href="mailto:info@bossauto.com">info@bossauto.com</a>
<b>WEB</b>	<a href="http://www.bossauto.com">www.bossauto.com</a>

### 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

STOT SE 3 H336 May cause drowsiness or dizziness.

#### 2.2. Label elements

##### A. CLP Regulation (EC) n°1272/2008

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

• **Hazard pictograms**



GHS02 GHS07 GHS09

• **Warning word**

Danger

• **Hazardous components that have to be labelled**

Naphtha (petroleum), hydrotreated light  
 butanone  
 pentane

• **Hazard statements**

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

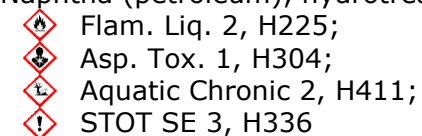
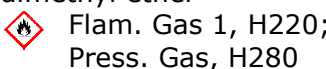
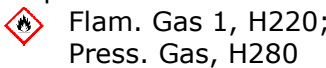
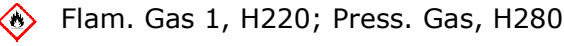
**2.3. Other hazards**






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

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixture**

Description: Mixture of substances listed below with nonhazardous additions.

CAS: 64742-49-0 EINECS: 265-151-9 Reg.nr.: 01-2119475515-33	Naphtha (petroleum), hydrotreated light 	25-<50%
CAS: 115-10-6 EINECS: 204-065-8 Reg.nr.: 01-2119472128-37	dimethyl ether 	12,5-<25%
CAS: 74-98-6 EINECS: 200-827-9 Reg. Nr.: 01-2119486944-21	Propane 	5-10%
CAS: 106-97-8 EINECS: 203-448-7 Reg. Nr.: 01-2119474691-32	Butane 	5-10%

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	5-10%
CAS: 109-66-0 EINECS: 203-692-4 Index number: 601-006-00-1 01-2119459286-30	    Pentane Flam. Liq. 1, H224; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	2,5-5%

Additional information:

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### A. After inhalation

In case of unconsciousness place patient stably in side position for transportation.

#### B. After skin contact

Immediately wash with water and soap and rinse thoroughly.

#### C. After eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

#### D. After swallowing

Do not induce vomiting; call for medical help 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: CO<sub>2</sub>, 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 arising from the substance or mixture

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**

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.

**6.4. 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**

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**7.1. Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

**A. Information about fire - and explosion protection**

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 location.  
 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 relevant information available.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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· 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**

15-10-6 dimethyl ether
WEL Short-term value: 958 mg/m <sup>3</sup> , 500 ppm Long-term value: 766 mg/m <sup>3</sup> , 400 ppm
106-97-8 butane
WEL Short-term value: 1810 mg/m <sup>3</sup> , 750 ppm

Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)	
78-93-3 butanone	
WEL Short-term value: 899 mg/m <sup>3</sup> , 300 ppm Long-term value: 600 mg/m <sup>3</sup> , 200 ppm Sk, BMGV	
109-66-0 pentane	
WEL Long-term value: 1800 mg/m <sup>3</sup> , 600 ppm	
78-93-3 butanone / MEK	
WEL	Short-term value: 900 mg/m <sup>3</sup> , 300 ppm Long-term value: 600 mg/m <sup>3</sup> , 200 ppm VLB, VLI

## B. Ingredients with biological limit values

78-93-3 butanone	
BMGV	70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one

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**

Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing.  
 Wash hands before breaks and at the end of work.  
 Do not inhale gases/fumes/aerosols.  
 Avoid contact with skin.  
 Avoid contact with the eyes and skin.

- **Respiratory protection**

Not required.

- **Protection of hands**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection**  
Not required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Form	Aerosol
Colour	Whitish
Odour	Solvent-like
Odour threshold	Not determined.
pH value	Not determined.
Melting point/melting range	Undetermined
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, formation of explosive air/vapour mixtures are possible.
Lower explosive limit	1,1 Vol. %
Upper explosive limit	26.2 Vol %
Vapour pressure at 20°C (68 °F)	4000 hPa (3000 mm Hg)
Density at 20°C (68 °F)	0.6854 g/cm <sup>3</sup> (5.72 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	83.8%
EU-VOC	574.4 g/l
EU-VOC in %	83.80 %
Solids content	16.2%

### 9.2. Additional information

No further relevant data available.

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No further relevant information available.

### 10.2. Chemical stability

Thermal decomposition/ conditions to avoid: 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	>5000 mg/kg (rat)
Dermal	LD50	>2600 mg/kg (rabbit)
Inhalative	LC50/4h	>193 mg/m <sup>3</sup> (rat)
115-10-6 dimethyl ether		
Inhalative	LC50 / 4 h	308 mg/m <sup>3</sup> (rat)
106-97-8 butane		
Inhalative	LC50 / 4 h	658000 mg/m <sup>3</sup> (rat)
78-93-3 butanone		
Oral	LD50	2737 mg/kg (rat)
Dermal	LD50	6480 mg/kg (rabbit)
Inhalative	LC50 / 4 h	34 mg/m <sup>3</sup> (rat)
109-66-0 pentane		
Oral	LD50	>16000 mg/kg (rat)
Dermal	LD50	>2500 mg/kg (rat)
Inhalative	LC50 / 4 h	>5000 mg/kg (rabbit)
		>100 mg/m <sup>3</sup> (rat)

#### B. Primary irritant effect

- **Skin corrosion/irritation**

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 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

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### 12.1. Toxicity

#### A. Aquatic toxicity

Naphtha (petroleum), hydrotreated light	
LC50	127-159 mg/l (Leuciscus idus)
115-10-6 dimethyl ether	
EC50 / 48 h	>4000 mg/l (daphnia magna)
109-66-0 pentane	
EC50/48h	9.7 mg/l (daphnia magna)
LC50/96h	1-10 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 to 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 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
15 01 11* metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers

### 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: No  
Symbol (fish and tree)
- Special marking (ADR): Symbol (fish and tree)

#### 14.6. Special precautions for users

- Warning: Gases
  - Kehler 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 allowed as excepted quantity

Transport category 2

Tunnel restriction code: D

IMDG

Limited quantities (LQ): 1L

Excepted quantities (EQ) Code: E0

Not allowed as excepted quantity

UN "Model Regulation": UN1950 AEROSOLS, 2.1, ENVIRONMENTALLY DANGEROUS

### 15. REGULATORY INFORMATION

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#### 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 Dangerous for the 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

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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.

### A. 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.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

### B. 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  
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

The statements made here should describe the product with regard to the necessary safety precautions – they are not meant to guarantee definite characteristics – but they are based on our present up-to-date knowledge. No responsibility.