**BOSSAUTO INNOVA, S.A.**
Pol. Ind. Valldoriolf C/ Thomas Edison 16,
08430 La Roca del Vallés. Barcelona
t: +34 938 604 923 / f: +34 938 712 336
info@bossauto.com / www.bossauto.com

# SAFETY DATA SHEET

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

| | |
|---|---|
| **NAME OF THE PRODUCT** | F700 Brake cleaning spray 500 ml |
| **CODE** | 110004 |
| **DISTRIBUTOR** | BOSSAUTO INNOVA, S.A. |
| **ADRESS** | 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 nº1272/2008 (CLP)**

GHS02 Flame
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

- **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 breath spray.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P251 Pressurized container: 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 to according to local/regional/national/international regulation.

### 2.3. Other hazards

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

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Chemical characterization: Components

Denomination CAS
64742-49-0 naphtha (petroleum), hydrotreated light (<0,1% benzol CAS nr. 71-43-2)
Identification number
CE number: 265-151-9
Index number: 649-328-00-1

### 3.2. Chemical characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

| Dangerous components | | |
|---|---|---|
| Número CE: 921-024-6<br>Reg.nr.: 01-2119475514-35 | Naphtha (petroleum), hydrotreated light<br>  Flam. Liq. 2, H225<br>  Asp. Tox. 1, H304<br>  Aquatic Chronic 2, H411<br>  Skin. Irrit. 2, H315; STOT SE 3, H336 | 75-100% |
| CAS: 124-38-9<br>EINECS: 204-696-9 | Carbon dioxide<br>  Press. Gas L, H280 | 5-10% |

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**
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. If symptoms persist, consult a doctor.

**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
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
Special 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 to enter sewage system or water bodies.
Inform respective authorities in case of seepage into water course or sewage system.
Avoid product to seepage into water course or sewage system.

### 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 information on disposal.

## 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 necessary.

- **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 admissible limit values to be controlled at the workplace:**

| 124-38-9 carbon dioxide | |
|---|---|
| LEP | Long-term value: 9150mg/m$^3$, 5000 ppm<br>VLI |

Additional information: Lists valid at the time of processing have been 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 trough 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 | Clear |
| Odour | Solvent-like |
| Odour threshold | Undetermined |
| pH value | Undetermined |
| Change in condition | |
| Melting point/melting range | <-25ºC |
| Boiling point/boiling range | Not applicable, as aerosol. |
| Flash point | -12 ºC<br>Not applicable, as aerosol. |
| Flammability (solid, gas) | Not applicable |
| Self-ignition | >200ºC |
| Decomposition | Undetermined |
| 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 | 7,0 Vol. % |
| Vapour pressure at 20ºC | 85 hPa |
| Density at 20ºC | 0,715 g/cm$^3$ |
| Relative density | Not determined |
| Vapour density | Not determined |
| Evaporation rate | Not applicable |
| Solubility/miscibility in water at 20ºC | Not miscible or difficult to mix. |
| Partition coefficient (n-octanol/water) | Not determined |
| Viscosity | |
| Dynamic at 20ºC | Not determined |
| Kinematic | Not determined |
| Solvent content | |
| Organic solvents | 94,0% |
| EU-VOC | 672,1 g/l |
| EU-VOC in % | 94,00% |

### 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/LC 50 values relevant for classification: | | |
|---|---|---|
| Naphtha (petroleum), hydrotreated light | | |
| Oral | LD50 | >5840 mg/kg (rat) |
| Dermal | LD50 | >2920 mg/kg (rabbit) |
| Inhalation | LC50/4h | >2 mg/l (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 (carcinogenity, 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 irritate airways. 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 | |
|---|---|
| EC50/48h<br>EC50/72h<br>LC50/96h | 3 mg/l (Daphnia magna)<br>30-100 mg/l (Pseudokirchneriella Subcapitata)<br>11,4 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. Ecotoxical effects**
Notes: Toxic for fish.

**B. Additional environmental directions**
General directions:
Risk level for water 2 (Self-assessment): hazardous for water
Do not allow to reach ground water, water course or sewage system.
Small quantities leak into the ground poses a danger to drinking water.
Discharge to surface waters, it is also toxic to fish and plankton.
Toxic to 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: Non contaminated packagings may be recycled.

## 14. TRANSPORT INFORMATION

### 14.1. UN-Number
ADR, IMDG, IATA: UN1950

### 14.2. UN proper shipping name
ADR, ADN: UN1950 AEROSOLS, DANGEROUS FOR THE ENVIRONMENT
IMDG: AEROSOLS (Naphtha (petroleum) hydrotreated light), MARINE POLLUTANT
IATA: AEROSOLS, Flammable

### 14.3. Transport hazard class
ADR

Class: 2 5F Gases
Label: 2.1

ADN
ADN/R Class 2 5F

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, 2.1, DANGEROUS FOR THE ENVIRONMENT

## 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
P3b FLAMMABLE AEROSOLS
E2 Toxic for the aquatic environment
Qualifying quantity (tonnes) for the application of lower-tier requirements 200 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**

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.
H336 May cause drowsiness or dizziness.
H411 Toxic for aquatic organisms, with long-term harmful 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
Aerosol 1: Aerosols – Category 1
Press. Gas L: Gases under pressure – Liquefied 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