

**BOSSONG BCF 750 B3
(versione manuale e automatica)****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier**
BOSSONG BCF 750 B3 MAN / BOSSONG BCF 750 B3 AUT
- 1.2 Relevant identified uses of the substance or mixture and advised against**
For gluing and filling gaps and cavities.
- 1.3 Details of the supplier of the safety data sheet:**
- 1.3.1 Producer:**
Bossong S.p.A
Via Enrico Fermi 49/51
24050 – Grassobbio – Bg
Italia
Telephone number: +39 035 3846011
www.bossong.com
- 1.3.2 A person qualified and responsible for safety data sheet**
Mail address of the qualifies person responsible for the safety data sheet:
tek@bossong.com
- 1.4 Emergency telephone number**
Bossong S.p.A. 035 3846011 (lun-ven 8.00 : 18:00)Centro Antiveleeni POLICLINICO UMBERTO IViale Regina Elena, 324 - ROMA06 490 663 (24h/24h)CENTRO ANTIVELENI POLICLINICO UMBERTO I - ROMA06 499 78 000 (24h/24h)<http://w3.uniroma1.it/cav/>

SECTION 2 HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
- 2.1.1 Classification of the regulation (CE) n. 1272/2008**
Aerosol 1 H222, H229
Carc. 2 H351
Acute Tox. 4 H332
STOT RE 2 H373
Eye Irrit. 2 H319
STOT SE 3 H335
Skin Irrit. 2 H315
Resp. Sens. 1 H334
Skin Sens. 1 H317
Effects on or via lactation H362
Chronic aquatic toxicity 1 H413
The full version of the « H phrases » and the meaning of the abbreviations of the hazard classes according to directive 1999/45 is stated in section 16 of this safety sheet.
Classification notes:
Note: Classification of a mixture was based on the precautionary principle. The calculation method takes into account the requirements of the CLP Regulation for the classification of aerosols in line with paragraph 1.1.3.7 of Annex I, Part 1, CLP, i.e. a mixture of aerosol is classified in the same hazard category as the mixture which is not in a form of aerosol
- 2.1.3 The most serious adverse physico-chemical effects**
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.
Build up of explosive mixtures possible without sufficient ventilation..
- 2.1.4 The most serious adverse effects on human health**
Harmful by inhalation. Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation and skin contact. Harmful: danger of serious damage to health by prolonged exposure through inhalation. May cause harm to breast-fed children
Persons with airways hypersensitivity (e.g. asthma, chronic bronchitis) must not come into contact with the product. Symptoms may also occur with overexposure airways after a few hours. Dust, vapours and aerosols are harmful to respiratory tract
- 2.1.5 The most serious adverse effects on the environment**
May cause long-term adverse effects in the aquatic environment.
- 2.2 Label elements**



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2.2.1

Labelling harmonised with Directive(CE) n. 1272/2008



PERICOLO

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 - May cause respiratory irritation.

H351 - Suspected of causing cancer.

H362 - May cause harm to breast-fed children.

H373 - May cause damage to organs through prolonged or repeated exposure.

H413 - May cause long lasting harmful effects to aquatic life.

H222 - Extremely flammable aerosol.

H229 - Pressurised container: May burst if heated. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P102 - Keep out of reach of children

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

P260 - Do not breathe mist/vapours/spray

P263 - Avoid contact during pregnancy and while nursing

P271 - Use only outdoors or in a well-ventilated area

P280 - Wear protective gloves and eye/face protection

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

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

P308+P313 IF exposed or concerned: Get medical advice/attention.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable. EUH204 Contains isocyanates. May produce an allergic reaction.

Contains: diphenylmethane diisocyanate, isomers and homologues, C14-17 chloroalkanes

Special provisions concerning the labelling of certain mixtures

Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from

asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be

used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. Type A1 according to

standard EN 14387) is used. AS FROM 24 AUGUST 2023 ADEQUATE TRAINING IS REQUIRED BEFORE INDUSTRIAL OR PROFESSIONAL USE.

Regulation (CE) n. 552/2009

Use of this product may cause allergic reactions to individuals already sensitized to diisocyanates. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used in conditions of poor ventilation, unless it is used a protective mask with an appropriate gas filter (ie type A1 according to standard EN 14387).

2.3

Other hazard

The mixture does not meet the criteria for PBT or vPvB in accordance with Annex XIII of EU Regulation 1907/2006..

2.4

Further information

Not to be used in a range of ignition sources.

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Further information necessary to be added to the product label complying with other regulations, see Section 15

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

Prepolymer (composition polyol and polymeric isocyanate) with freon-free low-boiling propulsion medium

Hazardous substances	CAS n.	Content (% peso)	Classification secondo (CE) n. 1272/2008
Diphenylmethanediisocyanate, isomers and homologues*	9016-87-9	20-60	Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335
Alkanes, C14-17, chloro	85535-85-9	<30	Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=10); Lact., H362
Dimethylether	115-10-6	<10	Flam. Gas 1, H220; Press. Gas (Comp.), H280
propane	74-98-6	<15	Flam. Gas 1, H220; Press. Gas (Comp.), H280
butane	106-97-8	<15	Flam. Gas 1, H220; Press. Gas (Comp.), H280

The full text of the H-phrases and the meaning according to (EC) 1272/2008 is indicated in Section 16 of this safety data sheet

SECTION 4 FIRST AID MEASURES**4.1 Description of first aid measures****4.1.1 General information**

In the case of health problems or if in doubt, seek medical advice and provide information from this safety data sheet. In case of unconsciousness place patient in recovery position and await ambulance.

4.1.2 In case of inhalation

Stop exposure to vapours and relocate patient from exposure to the fresh air. . Ensure the patient is calm and rests, avoiding physical exertion. Avoid exposure to cold. In case of breathing difficulties seek medical help.

4.1.3 In case of eye contact:

Togliere i lenti di contatto se portati dal soggetto. Sciacquare immediatamente con acqua corrente (se possibile tiepida) almeno per 15 minuti con occhi largamente aperti, e ciò soprattutto sotto le palpebre; consultare il medico, soprattutto se il dolore persiste o che gli occhi sono sempre rossi.

4.1.4 In case of contact with skin:

Remove contact lenses if used. Immediately rinse eyes with clean and lukewarm running water for at least 15 min. Eyes should be wide open especially to rinse under eyes lids. Seek medical advice if the pain or eye redness persists. .

4.1.5 In case of ingestion

Not anticipated. An aerosol spray.

Calm the victim and keep him/her in warm. Seek medical advice immediately and show product label or this safety data sheet.

4.2 Most important symptoms and effects, both acute and delayed

In case of inhalation irritation of mucous membranes of the airways can occur in sensitive people.

Local skin irritation (redness, itchiness). Degreases and dries skin.

Local eye conjunctiva irritation (redness, burning eyes, eye watering)

May cause irritation to the gastrointestinal tract accompanied by abdominal pain and nausea, even vomiting and diarrhoea can occur.

4.3 Indication of any immediate medical attention and special treatment needed

In standard use immediate medical attention is not needed required only if the symptoms become more pronounced.

SECTION 5 FIREFIGHTING MEASURES**5.1 Extinguishing media****5.1.1 Suitable extinguishing media**

Carbon dioxide (CO2), multipurpose powders, sand, soil

5.1.2 Unsuitable extinguishing media

Water in small quantities and a full water jet. Water can be used only for cooling products (containers) near the

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fire.

5.2 Special hazards arising from the substance or mixture:

Product contains easily flammable vapours and liquids.

In case of fire smoke is created and carbon oxides (CO and CO₂) can occur, soot, various hydrocarbons and aldehydes are also created by incomplete combustion and thermolysis. Do not inhale combustion gases. As gases are usually heavier than air they gather at the lowest points and there is risk of re-ignition or explosion. The propellant gas explosive limit with air at standard temperature and vapour or mist volume is 1,5 – 1,6 %. Fire residues and contaminated fire extinguishing liquid must be disposed off according to local rules and regulations. Remove products away from fire or at least cool them with a water jet

5.3 Advice for fire fighters

In case of fire, wear suitable protective equipment – respiratory/breathing apparatus

SECTION 6 ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures****6.1.1 For non - emergency personnel**

Avoid contact with eyes and skin. Do not inhale any gases/vapours/aerosols. Ensure effective ventilation. Due to the potential exposure to hazardous agents, wear suitable protective equipment (resistant gloves, protective glasses and clothing). Eliminate all sources of ignition. Switch off all electrical devices that can create sparks (Sections 7 and 8). Gas vapours are heavier than air. Do not allow vapours to drain.

6.1.2 For emergency responders

See section 8

6.2 Environmental precautions

Avoid draining into sewage/surface water/ground water.

6.3 Methods and material for containment and cleaning up

Cover the contaminated area with damp soil or sand and allow at least for 30 minutes for this to take effect. Then remove mechanically

BCF SOLVENT with special cleaner can remove uncured foam.

6.4 Reference to other sections

See sections 7, 8 and 13

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Do not inhale any gases/vapours/aerosols. Ensure effective ventilation. Due to the potential exposure to hazardous agents, wear suitable protective equipment (resistant gloves, protective glasses and clothing). Do not smoke. Switch off all electrical devices that can create sparks (Sections 7 and 8). Implement precautionary measures to prevent the accumulation of an electrostatic charge. Work in accordance with an instruction manual - special protective measures are not necessary.

7.1.1 Preventive measures to protect the environment:

If used normally not necessary. In case of accident see section 6.

7.1.2 Specific requirements or rules relating to the substance or mixture:

Store in original containers in a cool dry place. Keep away from heat sources.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container in a cool dry place. Keep away from heat sources. Avoid accumulation of static electricity. No smoking.

7.2.1 Requirements on type of material used in the packaging / container:

Aerosol cans –material FE (40) or ALU (41). Do not store with food, beverages and animal feed. Keep out of reach of children The products are under constant pressure! Keep out of direct sunlight and do not expose to temperatures exceeding +50 °C

7.3 Specific end use(s)

The mixture is applied by spraying on the areas to be filled with PU foam

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters**

The product contains substances for which following concentration of occupational exposure limit values are set.

Chemical name	CAS n.	Long term WEL	Short term WEL
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Dimethylether	115-10-6	400 ppm, 766 mg/m ³	500 ppm, 958 mg/m ³
The safety data sheet Supplier undertakes to integrate other values required in the country of the introduction of the mixture on the market.			

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

No special equipment is required provided that the product is handled in accordance with the general principles of hygiene and public safety. It is recommended that the product is used in well-ventilated areas.

8.2.2 Individual protection measures, such as personal protective equipment

The personal protective equipment must be in accordance with Legislative Decree 495/2001 Coll. (Transposition of Directive n. 89/686 / EEC).

8.2.2.1 A General hygienic and protective measures:

While working with the product Do not eat, drink or smoke. Avoid contact with eyes and skin. When you stop working with the product wash your hands. Pregnant women should avoid inhalation and skin contact.

8.2.2.2 Respiratory protection

Under standard usage not necessary, however a prolonged stay in poorly ventilated areas exceeding the use of appropriate respiratory protective equipment – (from gas and combined filters) is essential.

8.2.2.3 Hand protection

Suitable materials for safety gloves; EN 374

Polychloroprene - CR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$

Nitrile rubber - NBR: thickness $\geq 0,35\text{mm}$; breakthrough time $\geq 480\text{min}$.

Butyl rubber - IIR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$

Fluorinated rubber - FKM: thickness $\geq 0,4\text{mm}$; breakthrough time $\geq 480\text{min}$ Polivinilchloruro (PVC)

chlorinated polyethylene

polyethylene

Alcohol copolymer of ethylene and vinyl laminate (EVAL)

Recommendation: contaminated gloves should be disposed of

8.2.2.4 Eye protection

Protective glasses

8.2.2.5 Protecting skin (the whole body)

Protective work clothing; do not eat, drink or smoke while working; Remove soiled or contaminated clothing. Wash clothing before re-using. After work, Wash hands with warm water and soap and Use suitable skin care products.

8.2.3 Environmental exposure controls

Not necessary when used as required, avoid entering into surface waterways and sewers.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance:	Aerosol
Odour	Characheristic
pH	Not specified
Odour Threshold	Not specified
Colour	Grey
Boiling point/boiling range	Not specified
Flash point	Not applicable as aerosol
Evaporation rate	Not applicable
Flammability (solid, gas)	extremely flammable aerosol
Upper/lower flammability or explosive limits	For propulsion gas: high explosion limit: 11.0 vol. % low explosion limit: 1.5 vol. %
Vapour pressure	6 bar (a 20 °C)
Vapour density	Not specified
Density	Not specified
Solubility	insoluble, reacts with water soluble in polar organic solvents before curing
Partition coefficient: n-octanol/water	Not specified
Auto-ignition temperature	235°C

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Viscosity	Not specified
Oxidising properties	Not specified
9.2 Other information	
conductivity	non conductible material
Organic solvents content - VOC	163 g/l
Organic solvents content	Not specified

SECTION 10 STABILITY AND REACTIVITY**10.1 Reactivity**

The product under standard conditions of use is stable and does not degrade.

10.2 Chemical stability

The product under standard conditions of use is stable and does not degrade. .

10.3 Possibility of hazardous reactions

Reacts with substances containing active hydrogen, including water - and / or air humidity, carbon dioxide is produced and increases the pressure in closed containers. Also strong acids and strong oxidizing agents, e.g. hydrogen peroxide, nitric acid ...

10.4 Conditions to avoid

Temperatures above the flash point, open flames, static electricity, under standard conditions of use hazardous reactions are not known.

10.5 Incompatible materials

Strong acids, strong oxidizing agents, water. Eg.: Hydrogen peroxide, nitric acid ...

10.6 Hazardous decomposition products

Under standard usage does not occur.

Incomplete combustion creates smoke and toxic gases (eg. CO, NO, HCN), various hydrocarbons, aldehydes and soot. Inhalation is hazardous.

10.7 Further information**10.7.1 Potentially dangerous exothermic reaction**

in contact with water, the temperature and pressure increases (inside the can)

10.7.2 Changes in physical properties effecting stability and safety of the mixture

If Increased pressure and temperature (in a can =inside of the packaging)

10.7.3 Hazardous degradation products when in contact with water

When sprayed, reacts with water and curing into PU foam.

SECTION 11 TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute toxicity:

LD / LC50 values relevant for classification:

13674-84-5 tris(2-chlorisopropyl)-phosphate

Inhalative LD50 3600 mg/kg (rat)

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eyes: Irritating.

sensitization:

May cause sensitization by inhalation.

May cause sensitization by skin contact

Further toxicological data:

The product, according to the calculation method of the General EU Classification for preparations in the latest valid version, it has the following risks:

Harmful

Irritating

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carc. 2

SECTION 12 ECOLOGICAL INFORMATION**12.1 Toxicity****12.1.1 Acute toxicity of the mixture to aquatic organisms**

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- 12.2 **Persistence and degradability**
No further information
- 12.3 **Bio-accumulative potential**
No further information
- 12.4 **Mobility in soil**
No further information
- 12.5 **Results of PBT and vPvB assessments**
Not applicable
- 12.6 **Other adverse effects**
No further information

SECTION 13 DISPOSAL CONSIDERATION

- 13.1 **Waste treatment methods**
Waste must be handled in accordance with national legislation. Not to be confused with the municipal waste.
Prevent releases into drains.
- 13.2 **Recommended waste classification**
The uncured material (eg. Expired or damaged products, waste): 080501* waste isocyanates
Packaging containing pressurized aerosol:
160504* gases in pressure containers (including halons) containing dangerous substances
Packaging without propulsion gas:
150110* imballaggi containing residues of hazardous substances or contaminated by such substances
uncleaned packaging:
Recommendation: Disposal according to official regulations.
Untampered packaging can be recycled

SECTION 14 TRANSPORT INFORMATION

- 14.1 **Number ONU-ADR/IMDG/IATA** 1950
- 14.2 **ONU proper shipping name**
ADR 1950 AEROSOLS
IMDG AEROSOLS
IATA AEROSOLS, flammable
- 14.3 **Transport hazard class (es)**
2.1
ADR Class 2 - 5F Gas – Label 2.1
IATA-IMDG Class 2.1 – Label 2.1
- 14.4 **Packing group** -
- 14.5 **Environmental hazards** YES
- 14.6 **Special precautions for users** Attention Gas
NUMBER EMS F-D,S-U
- 14.7 **Transport in bulk according to Annex II MARPOL 73/78 and IBC Code** -
- Further informations** ADR limited quantity: 1 liter
Transport category 2
tunnel restriction D

SECTION 15 REGULATORY INFORMATION

- 15.1 **Regulations relating to Safety, health and environment / specific legislative regulations regarding the substance or mixture.**
This product is classified as hazardous
- 15.1.1 **Additional mandatory product labelling intended for sale to the public**
User manual
A tactile warning
Gloves (in accordance with Commission regulation (CE) n. 552/2009))
- 15.2 **Chemical safety assessment**
Not carried out yet
- 15.3 **Regulations**
REGULATION (EC) NO 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

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REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

SECTION 16 OTHER INFORMATION**16.1 Full text of H phrases and meaning of classification abbreviations according to Regulation EU 1272/2008**

H220	Extremely flammable gas..
H222	Extremely flammable aerosol..
H229	Pressurized container may explode when heated.
H280	Contains gas under pressure; It may explode if heated..
H302	Harmful if swallowed..
H315	Causes skin irritation..
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation..
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation..
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure.
H362	May be harmful for breastfed infants.
H400	Very toxic to aquatic organisms.
H410	Very toxic to aquatic life with long lasting effects.
Aerosol 1	Aerosol 1
Acute Tox. 4	toxicity acuta4
STOT RE 2	Specific target organ toxicity (repeated exposure) 2
Eye Irrit. 2	Eye irritation 2
STOT SE 3	Specific target organ toxicity (single exposure) 3
Skin Irrit. 2	Irritation of leather1
Resp. Sens. 1	Respiratory sensitization 1
Skin Sens. 1	Skin sensitization 1
Press. gass	Gases under pressure
Carc. 2	Cancerogenicit�2
Aqatic Chronic 1, 4	Hazardous to the aquatic environment 1, 4

16.3 Training instructions

Workers who come into contact with hazardous substances should be informed by the organization to the extent necessary on the action effects of the same, the method of their manipulation, the protective measures, by the principles of first aid, the procedures necessary for the restoration and the of faults and failures of liquidation procedures. The legal person or entrepreneur natural person who manipulates this chemical mixture must take the training on safety rules and the data indicated in the data sheet.

16.4 Information on the data sources used for the preparation of the SDS

The manufacturer's data and supplier specified on safety data sheets of the individual components of the mixture. This safety data sheet should be used together with the material sheet. Not replace it. The information given herein is based on our knowledge of the product at the time of publication and are provided in good faith. The user is warned that the use of the product for purposes other than those indicated can cause danger. The user is not exempted from knowing and applying all the regulations on its function. The responsibility to use the product only to the user that it must use all relevant regulations. The purpose of the relevant regulations is to help the user to fulfill his duty of use of hazardous products. This information is not exhaustive. This does not exonerate the user from the need to ensure the existence of other regulations, this is not indicated, regarding the use and storage of the product. And 'the exclusive responsibility of the user..

16.5 Changes made to the previous version of the safety data sheet

First version