

Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: CABRIO PROTECTOR

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

Product designed for impregnating tarpaulin (textile) roofs in cabriolets

1.3 Details of the supplier of the safety data sheet:

TENZI Sp. z o.o. Skarbimierzyce 20 72-002 Dołuje tel. +48 91 3119777 fax. +48 91 3119779

E-mail address for a competent person responsible for SDS: technolog@tenzi.pl

1.4 Emergency telephone number:

+48 91 31 19 777 (mon. - fri. 8am - 4pm) or 112.

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008:

Flam Liq. 2 H225 - Highly flammable liquid and vapour.

Eye Irrit. 2 H319 - Causes serious eye irritation.

- May be fatal if swallowed and enters airways. Asp. Tox. 1 H304

STOT SE 3 H336 - May cause drowsiness or dizziness.

2.2. Label elements:

(According to 1272/2008/EC*)

Hazard symbols:



Signal words:

DANGER

Hazard statements:

- Highly flammable liquid and vapour. H225

- May be fatal if swallowed and enters airways. H304

H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness.

Precautionary statements:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Use only outdoors or in a well-ventilated area. P210

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P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 – Do NOT induce vomiting.

P405 – Store locked up.

2.3. Other hazards:

Substance does not meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances:

Not applicable.

3.2. Mixtures:

Composition (according to: 648/2004/EC):

- < 60% alcohols
- < 20% Hydrocarbons C₉-C₁₁
- isoalkanes
- upkeep components
- auxiliary components, not classified as dangerous.

	Identification	Hazardous ingredient/classification	Concentration	
CAS: WE:	Not known 902-053-3	Product created from ethanol and Isopropanol	< 60%	
Index: Registration:	Not applicable 01-2119529230-52-XXXX	Flam Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336		
CAS: WE: Index: Registration:	Not applicable 919-857-5 Not applicable 01-2119463258-33-XXXX	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclical, <2% aroma	000/	
		Flam Liq. 3. H226, Asp. Tox. 1 H304, STOT SE 3 H336	< 20%	
CAS: WE: Index: Registration:	123-86-4 204-658-1 607-025-00-1 01-2119485493-29-XXXX	n-Butyl acetate	100/	
		Flam Liq. 3. H226, STOT SE 3 H336	< 10%	

The full texts of H symbols and phrases are in section 16.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures:

Inhalation:

In case of inhalation poisoning symptoms (cough, dyspnea, dizziness) move the injured to fresh air. Lay him down in semi-recumbent posture and make sure to keep him warm and calm. Use CPR when needed and get medical attention.

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Skin contact:

If product comes in contact with the skin, immediately remove all contaminated clothing and flush exposed area with large amounts of water. In case of skin changes or burns, get medical attention.

Eye contact:

Flush eyes with running water (at least 15 minutes) while keeping eyelids open. Get medical attention.

Ingestion:

DO NOT induce vomiting. Keep calm and immediately get medical attention.

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

Inhalation

In case of long-time exposure to product's vapours, it may irritate upper respiratory tract and it may also include feelings of dizziness and drowsiness.

Skin:

May cause skin irritation.

Eyes:

Corrosive to eyes.

Ingestion:

It may cause pulmonary edema and chemical pneumonia. May cause death.

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

Get medical attention.

Fresh water and eye-wash preparations must be available on the worksite.

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media:

Suitable extinguishing media:

foam, extinguishing powder, sand, carbon dioxide, atomized water.

Unsuitable extinguishing media:

Water jet.

5.2. Special hazards arising from the substance or mixture:

Product is easily flammable. Product floats on water and may be ignited more than once. Vapours are heavier than the air and they also float above ground. They can be ignited from a distance.

5.3. Advice for firefighters:

Firefighters should wear self-contained breathing apparatus and full protective clothing. In case of fire, warn the people nearby and evacuate unprotected and untrained personnel from hazard area. Notify relevant emergency services. If possible, remove the containers away from the influence of fire and high temperature. Water may be used to keep fire-exposed containers cool until fire is out. The after burning residues should be removed

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SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Protective clothes, self-contained breathing apparatus, protective chemical-proof gloves (0.11 mm thick), safety glasses. Avoid skin and eye contact. Provide proper ventilation.

6.2. Environmental precautions:

Avoid discharge into drains, watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up:

In case of unexpected release of the substance into the environment, inform appropriate services about the emergency and remove any source of ignition. Prevent spills from entering sewers, surface water or groundwater. If it is possible, confine and contain the spill by closing the flow of the liquid, plug the damaged container and put it into leakproof wrapping. For a larger spill, make a dike around the outside edges of the spill and use absorbent materials (sand, sawdust, minced limestone). Store clean-up materials for disposal as hazardous waste. Decontaminate polluted area with water.

6.4. Reference to other sections:

See section 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling:

Be careful when working with this product.

Use personal protection recommended in section 8

Mix only with water. DO NOT mix with any other chemical substances.

People with skin allergy or respiratory system problems should not have contact with this product.

Avoid risk – read this instruction sheet carefully before using the product.

After usage, keep container tightly closed and keep it away from unauthorized people.

Use only adequate ventilation to avoid inhalation poisoning.

7.2. Conditions for safe storage, including any incompatibilities:

Store in a tightly closed, original plastic container. Store this product in a dry environment that will be maintained at 5°C - 30°C temperature with a good ventilation system and an easy washable, nonabsorbable alkaline resistant floor.

DO NOT expose the product to sunlight and keep away from heat, sparks, flame and source of ignition.

7.3. Specific end use(s):

No data available.

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Control parameters:

Please check any national occupational exposure limit values in your country.

NDS/NDSCh/NDSP values for individual chemical substances (according to SDS or Chemical Safety Report):

Ethanol (data for highly concentrated substance):

NDS: 1900mg/m³ NDSCh: not identified. NDSP: not identified.

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Isopropanol (data for highly concentrated substance):

NDS: 900 mg/m³ NDSCh: 1200 mg/m³ NDSP: not identified.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclical, <2% aroma (data for highly concentrated substance):

NDS, NDSCh, NDSP: unspecified

n-Butyl acetate (data for highly concentrated substance):

NDS: 200 mg/m³ NDSCh: 950 mg/m³ NDSP: not identified.

DNEL /PNEC values for individual chemical substances (according to SDS or Chemical Safety Report):

Product created from ethanol and Isopropanol (data for highly concentrated substance):

DNEL:

Group: workers, Exposure time: short-term, Exposure route: inhalation, Type of effect: local effect,
Group: workers, Exposure time: long-term, Exposure route: dermal, Type of effect: systemic effect,
Group: workers, Exposure time: long-term, Exposure route: inhalation, Type of effect: systemic effect,
Group: consumers, Exposure time: long-term, Exposure route: inhalation, Type of effect: local effect,
Group: consumers, Exposure time: long-term, Exposure route: inhalation, Type of effect: systemic effect,
Group: consumers, Exposure time: long-term, Exposure route: inhalation, Type of effect: systemic effect,
Group: consumers, Exposure time: long-term, Exposure route: inhalation, Type of effect: systemic effect,
Value: 1900 mg/m³
Value: 343 mg/kg
Value: 500 mg/m³
Value: 295 mg/m³
Value: 296 mg/kg
Value: 296 mg/kg

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclical, <2% aroma (data for highly concentrated substance):

DNEL:

Group: workers, Exposure time: chronic, Exposure route: dermal, Type of effect: systemic effect, Group: workers, Exposure time: chronic, Exposure route: inhalation, Type of effect: systemic effect, Group: consumers, Exposure time: chronic, Exposure route: dermal, Type of effect: systemic effect, Group: consumers, Exposure time: chronic, Exposure route: inhalation, Type of effect: systemic effect, Group: consumers, Exposure time: chronic, Exposure route: ingestion, Type of effect: systemic effect, Value: 300 mg/kg/day Value: 900 mg/m³ Value: 300 mg/kg/day

n-Butyl acetate (data for highly concentrated substance):

DNEL:

Group: workers, Exposure time: long-term, Exposure route: dermal, Value: 7 mg/kg Group: workers, Exposure time: long-term, Exposure route: inhalation, Value: 48 mg/m³ Group: consumers, Exposure time: long-term, Exposure route: dermal, Value: 3.4 mg/kg Group: consumers, Exposure time: long-term, Exposure route: inhalation, Value: 12 mg/m³ Group: consumers, Exposure time: long-term, Exposure route: ingestion, Value: 3.4 mg/kg

PNEC:

Aqua (fresh water):
Aqua (marine water):
Sediment (fresh water):
Sediment (marine water):
Sediment (marine water):
Sewage treatment plant:
Secondary poisoning:
Intermittent release:
Soil:

0.18 mg/l
0.0981 mg/kg
0.0981 mg/kg
11.1 mg/kg orally
0.36 mg/l
0.0903 mg/kg

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NOTE: When the concentration of substance is known, personal protective equipment should be chosen based on substance concentration in a workplace, exposure time and operations performed by the employee. In emergency situations, if substance concentration in the workplace is unknown, personal protection of highest class level should be used.

8.2. Exposure controls:

RESPIRATORY PROTECTION:

In case of insufficient ventilation, wear suitable respiratory equipment - masks with gas and vapour protection.

HAND PROTECTION:

Dissolvent resistant protective gloves.

0.11 mm thick.

EYE/FACE PROTECTION:

Safety glasses.

SKIN PROTECTION:

Protective clothes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Appearance: Colourless liquid

Odour: Characteristic (dissolvent)

Odour threshold: No data available

pH: 7 ± 1

Melting point: No data available Freezing point: No data available

Initial boiling point: > 35°C (based on similar product)

Boiling range: No data available

Flash point: 11.5°C (based on similar product)

Evaporation rate: No data available Flammability (solid, gas): No data available Upper flammability limit: No data available Lower flammability limit: No data available No data available Upper explosive limit: Lower explosive limit: No data available Vapour pressure: No data available Vapour density: No data available $0.777 \pm 0.020 \text{ g/cm}^3$ Relative density:

Solubility:

A) Water: Not soluble
B) Organic solvent: No data available

Partition coefficient N-Octan:
Partition coefficient Water:
Auto-ignition temperature:
Decomposition temperature:
Viscosity:
Explosive properties:
Oxidising properties:
No data available
No data available
No data available
No data available

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9.2. Other information:

Refractive index: 26% Brix ± 5%

- Degrees Brix is the content of an aqueous solution. One degree Brix is 1 gram of sucrose in 100 grams of solution and represents the strength of the solution as percentage by weight (%w/w).

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity:

Easily flammable liquid.

10.2 Chemical stability:

Stable under recommended storage conditions (see section 7).

10.3 Possibility of hazardous reactions:

No data available.

10.4 Conditions to avoid:

Avoid heavily warmed rooms without ventilation and long-term exposure to sunlight. Avoid any source of ignition.

10.5 Incompatible materials:

Strong oxidizers.

10.6 Hazardous decomposition products:

Not known.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

ACUTE TOXICITY:

In case of long-time exposure to product's vapours, it may irritate upper respiratory tract and it may also

include feelings of dizziness and drowsiness.

Skin contact: After long-time exposure, it may cause skin irritation.

Eye contact: Causes eye irritation.

Digestive system: It may cause pulmonary edema and chemical pneumonia. May cause death.

DETAILS OF PARTICULAR COMPONENTS (according to substances SDS):

Product created from ethanol and Isopropanol (data for highly concentrated substance):

 LD50:
 > 2000 mg/kg
 (rat, orally)

 LC50:
 > 25000 mg/m3
 (rat, inhalation)

 LD50:
 13900 mg/kg
 (rabbit, dermal)

Doesn't cause skin irritation. Irritates eyes (rabbit).

No allergic effects (guinea pig).

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Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclical, <2% aroma (data for highly concentrated substance):

LD50:	>5000 mg/kg	(rat, orally)	(OECD 401)
LD50:	>5000 mg/kg	(rat, dermal)	(OECD 402)
LC50:	>4951 mg/m ³ /4h	(rat, inhalation)	(OECD 403)

Slight skin and eye irritation.

Vapour concentration above recommended exposure levels result in irritating eyes and respiratory system.

May cause drowsiness, dizziness, headache and various anesthetic effects.

Long-time or repeated exposure to substances with low viscosity levels may cause skin degreasing which may result in dermatitis.

n-Butyl acetate (data for highly concentrated substance):

LD50:	>5000 mg/kg	(rat, orally)	(OECD 423)
LD50:	14130 mg/kg	(rat, dermal)	(OECD 423)
LC50:	21.1 mg/l/4h	(rat, inhalation)	(OECD 403)
LD50:	> 14112 mg/l	(rabbit, inhalation)	(OECD 402)

Excessive exposure may affect human's health as below:

- Inhalation:

Upper respiratory tract, lungs:

Discomfort, nausea, headache, irritation, coughing, narcotic symptoms.

Symptoms may be delayed

- Skin contact:

Irritation, discomfort, skin rash, sensitization, allergic reactions.

- Eye contact:

Irritation, discomfort, blurry vision.

- Ingestion:

Liver, central nervous system:

Dizziness, headache, discomfort, lack of coordination, fainting, narcosis.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity:

Data for the mixture ingredients:

Product created from ethanol and Isopropanol (data for highly concentrated substance):

LC50: 9640 mg/l/96h (fish) 5012 mg/l/48h (daphnia) EC50: NOEC: > 10 mg/l/21days (daphnia) EC50: 675 mg/l/4days (algae) TT: 1050 mg/l/16h (bacteria) Suppressing microbiological activity: 1050 mg/l/16h

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Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclical, <2% aroma (data for highly concentrated substance):

EL0: 1000 mg/l/48h (daphnia, Daphnia magna)

NOERL: 100 mg/l/72h (algae)

EL50: 1000 mg/l/72h (Pseudokirchneriella subcapitata)
LL50: >1000 mg/l/96h (fish, Oncorhynchus mykiss)

n-Butyl acetate (data for highly concentrated substance):

LC50: 18 mg/l/96h (fish, Pimephales promelas) (OECD 203)

ErC50: 648 mg/l/72h (algae, Desmodesmus subspicatus)

EC50:37.9 mg/l/48h(daphnia, Daphnia magna)EC50:44 mg/l/48h(daphnia, Daphnia magna)

NOEC: 23 mg/l/21d (daphnia, Daphnia magna) (OECD 211)

12.2. Persistence and degradability:

The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents.

Data for the mixture ingredients:

Product created from ethanol and Isopropanol (data for highly concentrated substance):

Easily biodegradable.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclical, <2% aroma (data for highly concentrated substance):

Product is easily biodegradable.

n-Butyl acetate (data for highly concentrated substance):

Substance	Method	Length	Degraded percentage
n-Butyl acetate	OECD 301 D	28 days	96%

12.3. Bioaccumulative potential:

Product created from ethanol and Isopropanol I (data for highly concentrated substance):

Log Pow: 0.05

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclical, <2% aroma (data for highly concentrated substance):

No data available.

n-Butyl acetate (data for highly concentrated substance):

BCF: 15.3

12.4. Mobility in soil

The product is very volatile and it evaporates very quickly.

12.5. Results of PBT and vPvB assessment:

This substance/mixture does not meet the PBT and vPvB criteria of REACH, annex XIII..

12.6. Other adverse effects:

No data available.

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SECTION 13. DISPOSAL CONSIDERATIONS

RESIDUES AND WASTES:

DO NOT mix with other liquid wastes.

DO NOT empty into sewage system. Product should be totally used up according to its description.

If it's impossible to do so, dispose of this material and its container at hazardous or special waste collection point.

13.1. Waste treatment methods:

Contaminated containers should be completely emptied. Several times rinse the container promptly after emptying. Empty container can be stored in containers for collection of plastic packaging, or can be delivered to specialized company for recycling.

Disposal should be in accordance with the national/international regulations.

SECTION 14. TRANSPORT INFORMATION

TRADE NAME: CABRIO PROTECTOR

14.1. UN Number: 1993

14.2. UN proper shipping name: Flammable liquid, N.O.S. (Product created from ethanol and Isopropanol, Hydrocarbons,

C9-C11)

14.3. Transport hazard class(es):314.4. Packing group:II14.5. Environmental hazards:No.

14.6. Special precautions for user: For more details see Sections 6 and 8.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: No data available.

WARNING LABELS



SECTION 15. REGULATORY INFORMATION

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

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and

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1999/45/EC, and amending Regulation (EC) No 1907/2006

DIRECTIVE 2008/112/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 amending Council Directives 76/768/EEC, 88/378/EEC, 1999/13/EC and Directives 2000/53/EC,2002/96/EC and 2004/42/EC of the European Parliament and of the Council in order to adapt them to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

COMMISSION REGULATION (EU) No 758/2013of 7 August 2013correcting Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

DIRECTIVE 2014/27/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 amending Council Directives 92/58/EEC, 92/85/EEC, 94/33/EC, 98/24/EC and Directive 2004/37/EC of the European Parliament and of the Council, in order to align them to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents

REGULATION (EC) No 1336/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 amending Regulation (EC) No 648/2004 in order to adapt it to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

REGULATION (EC) No 273/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 11 February 2004on drug precursors.

15.2. Chemical safety assessment

For mixture:

A Chemical Safety Assessment has not been carried out.

For following mixture substances:

Product created from ethanol and Isopropanol (data for highly concentrated substance):

A Chemical Safety Assessment has been carried out.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclical, <2% aroma: n-Butyl acetate (data for highly concentrated substance):

A Chemical Safety Assessment has been carried out.

No data available.

SECTION 16. OTHER INFORMATION

Information above is based on current knowledge of product in its current form.

All data are presented in order to take into account safety requirements priority and not to guarantee special properties of the product. If product usage conditions are not under manufacturer control, responsibility for safe use lies with the person that uses them. The employer is obliged to inform all employees, who have contact with the product, about the risk and safety measures specified in the data sheet. Safety data presented above were prepared based on safety characteristics of substances used by the producer to compose the product and based on regulations for handling dangerous substances and their preparation. Classification of chemical mixture was done with calculation methods, based on the content of hazardous ingredients.

The full list of symbols and H phrases from Section 2 and 3:

STOT SE 3 – Specific target organ toxicity - Single exposure STOT, category 3. – Flam Liq. 2 – Flammable liquid and vapour, category 2.

Flam Liq. 2 — Flammable liquid and vapour, category 2.
Flam Liq. 3 — Flammable liquid and vapour, category 3.
Eye Irrit. 2 — Causes serious eye irritation, category 2.
Asp. Tox. 1 — May be fatal if swallowed and enters airways.

H304 – May be fatal if swallowed and enters airways.

H225 – Highly flammable liquid and vapour.

H319 – Causes severe skin burns and eye damage.

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H336 – May cause drowsiness or dizziness.

More information on the product can be found on the specific technical data sheet which is available on www.tenzi.pl

Training:

Course participants should be trained about how to handle this hazardous substance, about safety and work hygiene. Drivers should also be trained and obtain proper certification in accordance with the ADR requirements.

Expiry date:

12 months from the production date (if product is stored according to the producent recommendations)

Changes compared to the previous version:

- section 14, 15

Updated cards versions are now available on www.tenzi.pl

This Safety Data Sheet contains 12 pages. Changes in the content by unauthorized people is prohibited.

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