

## TENZON 3 PROT

### Material Safety Data Sheet (MSDS)

Creation Date 22.07.2011  
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Version: 1.0

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

- 1.1 Product identifier:** TENZON 3 PROT  
**1.2 Relevant identified uses of the substance or mixture and uses advised against:** Ready-to-use cream intended for all types of automotive paints.  
**1.3 Details of the supplier of the safety data sheet:**  
 TENZI Sp. z o.o., 72-002 Dołuje, Skarbimierzyce 20, e-mail: [info@tenzi.pl](mailto:info@tenzi.pl), [www.tenzi.pl](http://www.tenzi.pl), tel. +48 91 3119777, fax. +48 91 3119779 E-mail address for a competent person responsible for MSDS: [technolog@tenzi.pl](mailto: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

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008.

##### 2.2. Label elements

##### According to 1272/2008/EC\*

No symbol or signal word.

##### Hazard statements:

No symbols or phrases required.

##### Precautionary statements

No symbols or phrases required.

##### 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 Mixture

**Composition (according to: 648/2004/EC):** <5% non-ionic surfactant, preservative (Benzisothiazolinone), solvents, excipients not classified as dangerous

Product / ingredient name	Concentration [% weigh]	CAS / EC	Index-No.	REACH registration number	Classification
					Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics	< 30	--- 920-901-0	---	01-21194568 10-40-XXXX	Asp. Tox. 1 H304
Non-ionic surfactant	< 1	68515-73-1 ---	---	---	Eye Dam. 1 H318

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

## TENZON 3 PROT

### SECTION 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

**Inhalation**– In case of inhalation poisoning symptoms (cough, dyspnea, dizziness) move to fresh air.

**Skin contact**– If product comes in contact with the skin immediately remove all contaminated clothing and flush exposed area with large amounts of water. Consult a doctor in case burns or irritation occur.

**Eye contact**- Flush eyes with running water at least 15 minutes keeping eyelids open. Get medical attention.

**Ingestion**- If swallowed, DO NOT induce vomiting. Give lots of water to drink. DO NOT give any neutralizing agents. Immediately contact a doctor and show this MSDS or label.

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

**Inhalation** – long-term exposures or un-well ventilated area may cause: upper respiratory tract irritation.

**Skin** – may cause skin sensitization of susceptible persons.

**Eyes** – may cause eye irritation.

**Ingestion** – if swallowed, may cause irritation of the mucous membrane.

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

Obtain medical attention. Self-contained eye wash or shower should be readily available.

### SECTION 5. FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

**Suitable extinguishing media:** dry extinguishing agent, foam, sand, carbon dioxide, water spray or fog.

**Extinguishing media which shall not be used for safety reason:** DO NOT use solid water streams.

#### 5.2. Special hazards arising from the substance or mixture

Product is non-flammable.

#### 5.3. Advice for firefighters

Firefighters should wear full protective clothing and self-contained breathing apparatus. In case of fire warn the people nearby. 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.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel:** self-contained breathing apparatus, protective clothes, chemical resistant gloves thickness of 0.11 mm, safety glasses / goggles.

**For emergency responders:** self-contained breathing apparatus, protective clothes, chemical resistant gloves thickness of 0.11 mm, safety glasses / goggles.

#### 6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

#### 6.3. Methods and material for containment and cleaning up

Prevent spills from entering sewers, surface water or groundwater. If it is possible confine and contain the spill by closing liquid flow, damage container put into protect leak proof wrapping. For large spill make a dike around the outside edges of the spill. Clean-up materials store for disposal as hazardous waste. Decontaminate polluted area with water. For small spill use absorbent materials (sand solid, sawdust, fines limestone) and store 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

Please note that you need to be carefully while working with this product. Use personal protection recommended in section 8.

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

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

**TENZON 3 PROT**

Use only adequate ventilation.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in a tightly close, original plastic container. Store this product in dry environment that will be maintained at temperature between 5°C - 35°C. Store in good ventilated area with easy clean alkali resistant floor. DO NOT expose to sunlight. 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.

**DNEL /PNEC values for substances (according to MSDS or Chemical Safety Report):****Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics(data for high concentrations substance):**

DNEL: not identified

PNEC Aqua (marine water): 140,9 mg/l

PNEC Sediment (freshwater): 552 mg/kg

PNEC Soil: 28 mg/kg

**Non-ionic surfactants (data for high concentrations substance):**

DNEL, PNEC: not identified

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

**8.2. Exposure controls****Personal protective equipment**

**RESPIRATORY PROTECTION:** not be required

**HAND PROTECTION:** in case of prolonged exposure to the product, protective gloves are recommended, eg. Dermatril 740, thickness of gloves 0,11 mm

**EYE/FACE PROTECTION:** not be required

**SKIN PROTECTION:** not be required

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

APPEARANCE/FORM: cream

ODOUR: characteristic of diluent

ODOUR THRESHOLD: not identified

pH 7±1

MELTING/FREEZING POINT: not identified

INITIAL BOILING POINT AND BOILING RANGE: not identified

FLASH POINT: not identified

EVAPORATION RATE: not identified

FLAMMABILITY (SOLID,GAS): not identified

UPPER/LOWER FLAMMABILITY (UEL/LEL): not identified

VAPOUR PRESSURE: not identified

VAPOUR DENSITY: not identified

RELATIVE DENSITY: 0,914±0,020 g/cm<sup>3</sup>

SOLUBILITY:

a) WATER – non-soluble

b) ORGANIC SOLVENT – not identified

PARTITION COEFFICIENT N-OCTANOL/WATER: not identified

AUTO-IGNITION TEMPERATURE: not identified

DECOMPOSITION TEMPERATURE: not identified

VISCOSITY: kinematic 250 mm<sup>2</sup> / s

EXPLOSIVE PROPERTIES: not identified

OXIDISING PROPERTIES: not identified

**TENZON 3 PROT****9.2. Other information**

REFRACTIVE INDEX – not identified Brix\*  $\pm$  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**

No data available.

**10.2 Chemical stability**

Stable under recommended storage conditions (see point 7)

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

Avoid storage unprotected from heat and not well-ventilated area. Avoid long-term expose to sunlight, heat, sparks, flames and other sources of ignition

**10.5 Incompatible materials**

Avoid contact with strong oxidants.

**10.6 Hazardous decomposition products**

Unknown.

**SECTION 11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****ACUTE TOXICITY:**

- **INHALATION:** Long-term exposures or un-well ventilated area may cause: upper respiratory tract irritation, drowsiness, dizziness.

-**DIGESTIVE SYSTEM:** May be fatal if swallowed and enters airways. May cause chemical pneumonitis and pulmonary edema if swallowed.

- **SKIN CONTACT:** Repeated exposure may cause skin dryness or cracking.

- **EYE CONTACT:** May causes eye irritation.

**DETAILS OF PARTICULAR COMPONENTS (according to substances's MSDS)****Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (data for high concentrations substance):**

LD50>5000 mg/kg (rat, oral) acc.to OECD 401

LD50>5000 mg/kg (rat, skn) acc.to OECD 402

LD50>5000 mg/m<sup>3</sup>/8h mg/kg (rat, inhalation) acc.to OECD 403

Skin corrosion/irritation: prolonged contact may be mildly irritating to skin acc.to 404

Serious eye damage/eye irritation: it can cause mild, transient eye irritation. OECD 405

Respiratory irritation: causes little risk at ambient temperatures.

Respiratory or skin sensitization: it is not expected to be sensitizing the respiratory system.

High vapor concentration over recommended exposure limits may cause eyes and respiratory tract irritation, may cause headaches, drowsiness and nausea, anaesthetic and other effects on the central nervous system.

Prolonged and/or repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis.

Small amount of this product may be drawn into the lungs by either swallowing or vomiting may lead to chemical pneumonia and pulmonary edema.

**Non-ionic surfactants (data for high concentrations substance):**

LD50> 2000 mg/kg (rat, skin)

Serious eye damage/eye irritation: irritant, cause serious damage to eyes

**SECTION 12. ECOLOGICAL INFORMATION****12.1 Toxicity**

**TENZON 3 PROT****DETAILS OF PARTICULAR COMPONENTS****Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (data for high concentrations substance):**

- for Daphnia: ELO 1000 mg/l/48h (Daphnia magna)
- for algae: ELO 1000 mg/l/72h; NOELR 1000 mg/l/72 h (pseudokirchneriella subcapitata)
- for fish: LL0 1000 mg/l/96h (Oncorhynchus mykiss)
- for Daphnia: NOELR 1 mg/l/21 days (Daphnia magna)

**Non-ionic surfactants (data for high concentrations substance):**

- for fish: LC50 126 mg/l/96h,

Long-term toxicity to fish:

LC50 Brachydanio rerio (zebra fish): 3.2 mg / l / 28d.

- for Daphnia Magna EC50 Daphnia (Big flea):> 100 mg / l / 48 h (OECD 202)
- for the bacteria Pseudomonas putida EC50:> 560 mg / L / 6 h

Water hazard class: 1 = slightly hazardous to water

**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.

**Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics**

The product is recognized as being biodegradable (28 day(s). Percent Degraded 31.3 (similar material)).

Hydrolysis: conversion of the hydrolysis should not be significant.

Photolysis: transformation in the photolysis should not be significant.

Atmospheric Oxidation: degrades rapidly in air.

**Non-ionic surfactants (data for high concentrations substance):**

Biodegradability in water:> 99.4% / 28d (aerobic).

**12.3 Bioaccumulative potential**

Bioaccumulation is unlikely - the data based on components of the mixture

**12.4 Mobility in soil**

No data available.

**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

**SECTION 13. DISPOSAL CONSIDERATIONS****RESIDUES AND WASTES**

DO NOT mix with other liquid wastes. DO NOT empty into drain. 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 rise container (or equivalent) 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:** TENZON 3 PROT

**14.1. UN Number:** not applicable

**14.2. UN proper shipping name:** not applicable

**14.3. Transport hazard class(es):** not applicable

**14.4. Packing group:** not applicable

**14.5. Environmental hazards:** Product is not dangerous for environment

**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 label:** not applicable

**TENZON 3 PROT****SECTION 15. REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

- 1) COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- 2) REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents
- 3) COMMISSION REGULATION (EC) No 907/2006 of 20 June 2006 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII thereto
- 4) 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
- 5) COMMISSION REGULATION (EC) No 551/2009 of 25 June 2009 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes V and VI thereto (surfactant derogation)
- 6) REGULATION (EU) No 259/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 14 March 2012 amending Regulation (EC) No 648/2004 as regards the use of phosphates and other phosphorus compounds in consumer laundry detergents and consumer automatic dishwasher detergents
- 7) REGULATION (EC) No 273/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 11 February 2004 on drug precursors)
- 8) 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 1999/45/EC, and amending Regulation (EC) No 1907/2006

**15.2. Chemical safety assessment**

**For mixture:** A Chemical Safety Assessment has not been carried out.

**For substance:**

**Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics:** A Chemical Safety Assessment has been carried out.

**Non-ionic surfactants:** A Chemical Safety Assessment has not been carried out.

**SECTION 16. OTHER INFORMATION**

Information above are based on current knowledge of product on 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 mixtures were based on studies of the kinematic viscosity while the remaining classification was made a calculation method based on the concentrations of hazardous ingredients in the mixture.

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

Asp. Tox. 1 - Aspiration hazard, category 1

Eye Dam. 1- Serious eye damage, category 1

H304 – May be fatal if swallowed and enters airways.

H318 – Causes serious eye damage.

More information on the product can be found on the specific technical data sheet which is available on [www.tenzi.pl](http://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:** 36 months from the production date (if product is stored according to the producer recommendations)

**Changes compared to the previous version:**

- section 6,8- thickness of gloves. Updated cards versions are now available on [www.tenzi.pl](http://www.tenzi.pl)

*TENZON 3 PROT*

This Material Safety Data Sheet contains 7 pages. Changes in the content by unauthorized persons is prohibited.

Skarbimierzyce 08.10.2015