

SHAMPO NEUTRO NANO

Material Safety Data Sheet (MSDS)

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Revision Date: 08.10.2015
Version: 1.0

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

1.1 Product identifier: SHAMPO NEUTRO NANO

1.2 Relevant identified uses of the substance or mixture and uses advised against: Concentrated shampoo with neutral pH for hand washing of car bodies. It creates a dense foam and leaves a high gloss surface.

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, www.tenzi.pl, tel. +48 91 3119777, fax. +48 91 3119779 E-mail address for a competent person responsible for MSDS: 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

Product is not a mixture of hazardous under applicable regulations.

2.2. Label elements

According to 1272/2008/EC*

Hazard symbols and signal words:

No data available.

Hazard statements:

No data available.

Precautionary statements

No data available.

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): 5-15% anionic surfactants, fragrance composition; excipients not classified as hazardous

Product / ingredient name	Concentration [% weigh]	CAS / EC	Index-No.	REACH registration number	Classification
					Regulation (EC) No. 1272/2008 [CLP]
Anionic surfactants	<5	68891-38-3 500-234-8	---	01-2119488639-16-XXXX	Skin Irrit. 2 H315, Eye Dam. 1 H318, Aquatic Chronic 3 H412
Anionic surfactants	<1	85536-14-7 287-494-3	---	01-2119490234-40-XXXX	Skin Corr. 1C H314, Acute Tox. 4 H302

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

SHAMPO NEUTRO NANO**SECTION 4. FIRST AID MEASURES****4.1. Description of first aid measures**

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

Ingestion – DO NOT induce vomiting. Give lots of water to drink. DO NOT give any neutralizing agents.

Get medical attention and show this MSDS or label if nausea or stomach pains occur.

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

Skin – may cause skin sensitization of susceptible persons.

Eyes – irritating to eyes.

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

Self-contained eye wash and fresh water should be readily available.

SECTION 5. FIREFIGHTING MEASURES**5.1. Extinguishing media**

Suitable extinguishing media: use extinguishing measures that are appropriate to local circumstances and surrounding environment.

Extinguishing media which shall not be used for safety reason: not known

5.2. Special hazards arising from the substance or mixture

Product is non-flammable. May produce carbon monoxide during combustion.

5.3. Advice for firefighters

Firefighters should wear 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: chemical resistant gloves thickness of 0.11 mm, safety glasses/goggles

For emergency responders:

Personal protection: 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

In case of unexpected release substance into environment inform on emergency, keep away from source of ignition. 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, use absorbent materials (sand solid, sawdust, fines limestone). Clean-up materials store for disposal as hazardous waste. Decontaminate polluted area with water.

Neutralize with alkaline material (soda ash, slaked lime or Sodium Hydroxide)

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 8.2.

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

People prone to skin allergies should use protective gloves and protective clothing.

After usage keep container tightly closed. Keep away from unauthorized people.

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 5⁰C - 35⁰C. 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.

TLV-TWA, TLV-STEL and TLV-C values for substances (according to MSDS or Chemical Safety Report):**Anionic surfactants (data for high concentrations substance):**

TLV-TWA, TLV-STEL :not identified

Anionic surfactants (data for high concentrations substance):

TLV-TWA, TLV-STEL :not identified

DNEL /PNEC values for substances (according to MSDS or Chemical Safety Report):**Anionic surfactants (data for high concentrations substance):**

DNEL Exposure frequency: long term, Exposure route: dermal, Value: 2750 mg/kg bw, Group: workers Type of effect: systemic effect

DNEL Exposure frequency: long term, Exposure route: inhalation, Value: 175 mg/m³, Group: workers Type of effect: local effect

DNEL Exposure frequency: long term, Exposure route: dermal, Value: 1650 mg/kg bw mg/kg bw/day, Group: general population/consumers Type of effect: systemic effect

DNEL Exposure frequency: long term, Exposure route: inhalation, Value: 52 mg/m³, Group: general population/consumers, Type of effect: systemic effect

DNEL Exposure frequency: long term, Exposure route: oral, Value: 15 mg/m³, Group: general population/consumers, Type of effect: systemic effect

PNEC Aqua (fresh water): 0,24 mg/l

PNEC Aqua (marine water): 0,024 mg/l

PNEC Sediment (freshwater): 5.45 mg/kg

PNEC Sediment (marine water): 0,545 mg/kg

PNEC Sewage treatment plant: 10 mg/l

PNEC Soil: 0,946 mg/kg

Anionic surfactants(data for high concentrations substance):

DNEL Exposure frequency: long term, Exposure route: dermal, Value: 170 mg/kg bw/day, Group: workers Type of effect: systemic effect

DNEL Exposure frequency: long term, Exposure route: inhalation, Value: 12 mg/m³, Group: workers Type of effect: systemic effect

DNEL Exposure frequency: long term, Exposure route: inhalation, Value: 12 mg/m³ bw/day, Group: workers, Type of effect: local effect

DNEL Exposure frequency: long term, Exposure route: dermal, Value: 85 mg/kg bw/day, Group: general population/consumers, Type of effect: systemic effect

DNEL Exposure frequency: long term, Exposure route: inhalation, Value: 3 mg/m³, Group: general population/consumers, Type of effect: systemic effect

DNEL Exposure frequency: long term, Exposure route: oral, Value: 0,85 mg/kg bw/day, Group: general population/consumers, Type of effect: systemic effect

DNEL Exposure frequency: long term, Exposure route: inhalation, Value: 3 mg/m³, Group: general population/consumers, Type of effect: local effect

PNEC Aqua (fresh water): 0,287 mg/l

PNEC Aqua (marine water): 0,0287 mg/l

PNEC Aqua (intermittent releases): 0,0167 mg/l

PNEC Sediment (freshwater): 0,287 mg/kg

PNEC Sediment (marine water): 0,287 mg/kg

PNEC Soil: 35 mg/kg

PNEC Sewage treatment plant: 3,43 mg/l

NOTE: When the concentration of substance is known, personal protective equipment should be chosen based on: substance

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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: not be required

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: green viscous liquid

ODOUR: characteristic for this fragrance composition

ODOUR THRESHOLD: not identified

pH – 9 ± 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: $1,030 \pm 0,020 \text{ g/cm}^3$

SOLUBILITY:

a) WATER – soluble

b) ORGANIC SOLVENT – not identified

PARTITION COEFFICIENT N-OCTANOL/WATER: not identified

AUTO-IGNITION TEMPERATURE: not identified

DECOMPOSITION TEMPERATURE: not identified

VISCOSITY: min. 180s (Ford Viscosity Cup $\varnothing 4 \pm 0,015 \text{ mm}$)

EXPLOSIVE PROPERTIES: not identified

OXIDISING PROPERTIES: not identified

9.2. Other information

REFRACTIVE INDEX 10,8% 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**

Mixture is non-reactive.

10.2 Chemical stability

Stable under recommended storage conditions (see point 7)

10.3 Possibility of hazardous reactions

Not applicable.

10.4 Conditions to avoid

Avoid storage unprotected from heat under 45°C and not well-ventilated area. Avoid long-term expose to sunlight.

10.5 Incompatible materials

Does not occur.

10.6 Hazardous decomposition products

Carbon monoxide is a result of combustion.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects**ACUTE TOXICITY:**

- DIGESTIVE SYSTEM:** if swallowed, may results in mucous membrane irritation.
- **SKIN CONTACT:** in person with an allergic disposition may cause skin irritation.
- **EYE CONTACT:** irritating to eyes.

ATEmix= 148484 (acute toxicity, oral)

DETAILS OF PARTICULAR COMPONENTS (according to substances's MSDS):**Anionic surfactants(data for high concentrations substance):**

LD50 > 2000 mg/kg (rat, oral).

LD50 > 2000 mg/kg (rat, skin)

Skin corrosion/irritation: Irritant for skin

Serious eye damage/eye irritation: Causes serious eye damage

Respiratory or skin sensitization: No sensitizing effect known.

Anionic surfactants(data for high concentrations substance):

LD50 1470 mg/kg (rat, oral).

LD50 2000 mg/kg (rat, skin).

Skin corrosion/irritation: slightly irritant for skin

Serious eye damage/eye irritation: very irritant for eyes

SECTION 12. ECOLOGICAL INFORMATION**12.1 Toxicity****Anionic surfactants(data for high concentrations substance):**

LC50 > 1-10 mg/l Fish (OECD 203)

NOEC 1,2 mg/l Fish (literature data)

EC50 > 1-10 mg/l/48h Daphnia (OECD 202)

NOEC > 0,1-1,0 mg/l/21d Daphnia (OECD 211)

EC50 > 10-100 mg/l/72h (OECD 201) Algae

EC10 > 10000 mg/l Bacteria

Anionic surfactants(data for high concentrations substance):

EC50 = 1-10 mg/l/ 96h (Lepomis macrochirus) -Fish

EC50 = 1-10 mg/l/48h (Daphnia) - Daphnia

IC50 = 1-10 mg/l - Algae

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.

Anionic surfactants(data for high concentrations substance):

Biodegradation > 70% after 28 days (OECD 301A)

Anionic surfactants(data for high concentrations substance):

Biodegradation > 60% after 28 days acc. OECD 301 B, ISO 9439, 92/69/EWG

12.3 Bioaccumulative potential:

Bioaccumulation improbable – based on the properties of the component.

12.4 Mobility in soil

The product is water soluble and may spread in groundwater systems.

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.

SHAMPO NEUTRO NANO**13.1. WASTE TREATMENT METHODS**

Contaminated containers should be completely emptied. Several times rinse 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: SHAMPO NEUTRO NANO

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

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:

Anionic surfactants: A Chemical Safety Assessment has been carried out.

Anionic surfactants: A Chemical Safety Assessment has 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

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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 were made based on a calculation method and the concentrations of hazardous ingredients in the mixture.

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

Acute Tox. 4 – Acute toxicity, category 4

Aquatic Chronic 3 – Harmful to aquatic organisms, category 3

Eye Dam. 1 – Serious eye damage, category 1

Skin Corr. 1C – Corrosive to skin, category 1C

Skin Irrit. 2 – Causes skin irritation, category 2

H302 – Harmful if swallowed.

H314 – Causes severe skin burns and eye damage.

H315 – Causes skin irritation.

H318 – Causes serious eye damage.

H412 – Harmful to aquatic life with long lasting effects.

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: 36 months from the production date (if product is stored according to the producer recommendations)

Changes compared to the previous version:

- section 6 - thickness of gloves. Updated cards versions are now available on www.tenzi.pl

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

Skarbimierzyce 08.10.2015