TENZI Sp. z o.o.
SKARBIMIERZYCE 20
72-002 DOŁUJE

SHAMPO DRY

Material Safety Data Sheet (MSDS)

Creation Date 04.03.2011
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Version: 1.0

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

1.1 Product identifier: SHAMPO DRY
1.2 Relevant identified uses of the substance or mixture and uses advised against: Shampoo for washing, drying and polishing the car body - the manual method.
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 IDENTYFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008
Eye Dam. 1 H318- Causes serious eye damage

2.2. Label elements
According to 1272/2008/EC*

Hazard symbols

and signal words **DANGER**

Hazard statements:
H318- Causes serious eye damage

Precautionary statements
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 – Immediately call a POISON CENTER or doctor/physician

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% non-ionic surfactants, <5% amphoteric and cationic 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]

Non-ionic surfactants	< 10	68439-54-3 polymer	---	---	Eye Dam. 1 H318, Acute Tox. 4 H302
Cationic Surfactant	< 7	94095-35-9 302-242-5	---	---	Eye Irrit. 2 H319, Skin Irrit. 2 H315
Amphoteric surfactants	< 5	No data available No data available	---	01-2119513359-38-XXXX	Eye Dam. 1 H318, Aquatic Chronic 3 H412

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

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. Lay patient down in semi-recumbent posture. Keep warm and rested. Get medical attention.
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- DO NOT induce vomiting. Give a lot 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– non-irritant for upper respiratory tract.
Skin – corrosive, may cause severe burns
Eyes – causes serious eye damage, chemical conjunctivitis and corneal damage (redness, intense pain), possible irreversible impairment of vision or blindness.
Ingestion – if swallowed, may causes burns 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: use extinguishing measures that are appropriate to local circumstances and surrounding environment
Extinguishing media which shell not be used for safety reason: Unknown
5.2. Special hazards arising from the substance or mixture
Product is non-flammable.
5.3. Advice for firefighters
Firefighters should wear self-contained breathing apparatus and full protective clothing. In case of fire warn the people nearby. Evacuate unprotected and untrained personnel from hazard area. 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/googles.
For emergency responders: self-contained breathing apparatus, protective clothes, chemical resistant gloves thickness of 0.11 mm, safety glasses/googles.
Avoid skin and eyes contact. Provide proper ventilation.
6.2. Environmental precautions
Avoid discharge into drains, water courses or onto the ground. Prevent from entering into soil.
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.

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 8.2

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.

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 5^0C - 35^0C. 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):

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

DNEL, PNEC: no data available

Cationic surfactant (data for high concentrations substance):

DNEL, PNEC: not identified

Amphoteric surfactants (data for high concentrations substance):

DNEL Exposure frequency: long term, Exposure route: dermal, Value: 12,5 mg/kg bw/day , Group: workers Type of effect: systemic effect

DNEL Exposure frequency: long term, Exposure route: inhalation, Value: 44 mg/m3, Group: workers Type of effect: systemic effect

DNEL Exposure frequency: long term, Exposure route: oral, Value: 7,5 mg/kg bw/day, Group: consumers, Type of effect: systemic effect

DNEL Exposure frequency: long term, Exposure route: dermal, Value: 7,5 mg/kg bw/day, Group: consumers, Type of effect: systemic effect

PNEC Aqua (fresh water) 0,0135 mg/l assessment factors

PNEC Aqua (marine water) 0,00135 mg/l assessment factors

PNEC Sediment (freshwater) 1 mg/kg partition coefficient method

PNEC Sediment (marine water) 0,1 mg/kg assessment factors

PNEC Soil 0,8 mg/kg partition coefficient method

PNEC Sewage treatment plant 3000mg/l assessment factors

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

RESPIRATORY PROTECTION: not be required

HAND PROTECTION: not be required

EYE/FACE PROTECTION: safety glasses/ googles

SKIN PROTECTION: not be required

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
APPEARANCE/FORM: green liquid
ODOUR: characteristic for this composition
ODOUR THRESHOLD: not identified
pH – 5,5±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: 1,010÷0,020 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: not identified
EXPLOSIVE PROPERTIES: not identified
OXIDISING PROPERTIES: not identified
9.2. Other information
REFRACTIVE INDEX – 26,7% 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
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.
10.5 Incompatible materials
Avoid contact with bases and strong oxidizers.
10.6 Hazardous decomposition products
No data available

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

ACUTE TOXICITY:
- INHALATION: non-irritant for upper respiratory tract.
-DIGESTIVE SYSTEM: if swallowed, may causes irritation and burns of the mucous membrane
- SKIN CONTACT: for people with skin allergy tendency may cause skin sensitisation.
- EYE CONTACT: causes serious eye damage

ATEmix = 5005 (Acute toxicity, oral)

DETAILS OF PARTICULAR COMPONENTS (according to substances's MSDS)
Non-ionic surfactants (data for high concentrations substance):
Harmful if swallowed. May cause serious, sometimes irreversible, eye damage.
Details for Alcohol ethoxylates c8-c18 (>5-20EO):
LD50> 300-2000 mg/kg (rat, oral)
LD50> 2000 mg/kg (rat, dermal)
Cationic surfactant (data for high concentrations substance):
No data available.
Amphoteric surfactants (data for high concentrations substance):
LD50 dermal rat- male, female > 620 mg/kg
LD50 dermal rat - male, female 2430 mg/kg
Serious eye damage/eye irritation: causes serious eye damage
Skin corrosion/irritation: irritant for skin

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity
Non-ionic surfactants (data for high concentrations substance):
LC50 > 1-10 mg/l/96h (OECD 203) (Cyprinus carpio)
EC50 > 1-10 mg/l/48h (OECD 202) (Daphnia magna)
EC50 > 1-10 mg/l/72h (OECD 201) (Scenedesmus subspicatus)
Cationic surfactant (data for high concentrations substance):
No data available.
Amphoteric surfactants (data for high concentrations substance):
EC50 = 1,9 mg/l/ 96h daphnia (OECD 202)
ErC50 = 2,4 mg/l/72h algae
ErC50 = 7 mg/l/72h daphnia (ISO)
LC50 1,11 mg/l/96h fish (OECD 203)
EC50 3000 mg/l/16h bacteria (ISO)
NOEC 0,3 mg/l/21d daphnia (OECD 211)
NOEC 0,135 mg/l/100d fish (OECD 210)
NOECr 0,6 mg/l/72h 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.
Non-ionic surfactants (data for high concentrations substance):
Readily Biodegradable.
Degree of elimination: >70% after 28 days, according to OECD 301A
Degree of elimination: >60% after 28 days, according to OECD 301B
Cationic surfactant (data for high concentrations substance):
No data available.
Amphoteric surfactants (data for high concentrations substance):
Biodegradation 76% after 28 days (OECD 306); 80-90% after 60 days (ISO); 95% after 28 days (EU 92/69/EWG)
12.3 Bioaccumulative potential:
Non-ionic surfactants (data for high concentrations substance):
No data available
Cationic surfactant (data for high concentrations substance):
No data available.
Amphoteric surfactants (data for high concentrations substance):
LogPow: 4,2
BFC: 71- low
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.

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: **SHAMPO DRY**

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:
Non-ionic surfactants: A Chemical Safety Assessment has not been carried out.
Cationic surfactant: A Chemical Safety Assessment has not been carried out.
Amphoteric 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 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 phrases and H symbols from Section 2 and 3:
Eye Dam. 1– Serious eye damage, category 1
Acute Tox. 4– Acute toxicity, category 4
Eye Irrit. 2– Causes eye irritation, category 2
Skin Irrit. 2– Causes skin irritation, category 2
Aquatic Chronic 3 – Harmful to aquatic organisms, category 3

H302 – Harmful if swallowed.
H315 – Causes skin irritation.
H318 – Causes serious eye damage.
H319 – Causes serious eye irritation.
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 producent recommendations)

Changes compared to the previous version:
- section 6,8- 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