

Material Safety Data Sheet

Creation Date: 14.01.2008

Revision date: 06.07.2014

SECTION.1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

1.1 Identification of the preparation: LEDER CLEAN GT**1.2 Relevant identified uses of the substance or mixture and uses advised against:** Ready to use, foaming preparation for cleaning lacquered leather.**1.3 Company identification:** TENZI Sp. z o.o., 72-002 Dołuje, Skarbimierzycze 20, e-mail: tenzi@tenzi.pl, www.tenzi.pl
tel. +48 91 31 19 777, fax +48 91 31 19 779**1.4 Emergency Telephone:** +48 91 31 19 777 (Mon-Fr. 8-16); or 998

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

This product is not classified as hazardous in accordance to Ordinance of the Minister of Health from 10th August 2012 on criteria and classification of chemical substances and chemical preparations (Journal of Law No 0 item 1018).

2.2. Label elements

The product is not classified as hazardous

2.3. Other hazards

Keep only in the original container

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition (according to: 648/2004/WE): <5% anionic and non-ionic surfactants, sodium soap, remaining components – auxiliary components

Hazardous ingredients	Concentration [% weight]	CAS No	No WE	Index Number	Classification	
					WE 1272/2008	1999/45/WE
Nonionic surfactant	< 5	68439-54-3	polimer	---	---	Xn, Xi, R22, R41,
Sodium soap	< 5	No data	----	---	---	Xi R36/38

The full texts of R symbols are in section 16.

REACH Registration number:

Nonionic surfactant ---

Sodium soap: ---

SECTION 4.FIRST AID MEASURES

4.1. Description of first aid measures**INHALATION** – In case of inhalation poisoning symptoms (cough, shortness of breath, giddiness) move to fresh air. Ensure the calm in half-lying or half-sitting position, exercise can cause emphysema. Protect against heat loss. Seek medical advice.**SKIN CONTACT** – In case of clothes poisoning, immediately take them off and rinse the skin with plenty of water (current water is the best). In case of the skin irritation or burns consult a doctor.**EYE CONTACT** – In case of contact with eyes, rinse them immediately with plenty of cold water (at least during 15 minutes) keep the eyes open, seek medical advice.**INGESTION** – In case of ingestion, do not cause vomiting. Give water to drink. If the person is unconscious do not give

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anything to drink. Do not give any other neutralizing agents. Immediately consult a doctor, show label if possible

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

Inhalation – not applicable.

Skin – not applicable.

Eyes - can cause irritation

Ingestion – not applicable

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

Seek medical attention. At work needed access to fresh water and preparation to eye wash.

SECTION 5. FIRE FIGHTING MEASURES**5.1. Extinguishing media**

Appropriate to the environment surrounding the product.

Extinguishing media which shall not be used for safety reasons: All known extinguishing media can be used

5.2. Special hazards arising from the substance or mixture

Non-flammable mixture.

5.3. Advice for firefighters

Use self-contained breathing apparatus and chemically protective clothing.

In case of fire inform all persons nearby on fire, evacuate third persons from danger area, call the call fire brigade. If possible remove the containers away from the influence of fire and high temperature. If impossible cool the container by stream of water. The after burning residues should be removed

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Protective clothing; breathing apparatus; protective gloves; goggles.

Avoid direct contact with skin and eyes; Provide adequate ventilation.

6.2. Environmental precautions

No data.

6.3. Methods and material for containment and cleaning up

In case of unintended release mixture into environment inform on emergency and remove the source of leak. Prevent from entering sewers. If it is possible eliminate the leak (close liquid flow, make tight, damaged container put into protect leak proof wrapping). For huge leak, absorb the place where it can be accumulated, pump out if possible. Small quantity of leak absorb by inflammable absorbing material (sand, solid, sawdust, fines limestone), and next place in the appropriate waste container- pass to utilization. Polluted surface wash out.

6.4. Reference to other sections

See sections 8 and 13

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

Handle with preparation very carefully. Require use the appropriate individual protection equipment – see point 8.

Mixing only with water.

Avoid risks – before usage read operating instruction carefully.

After usage close tightly, keep away from unauthorized persons.

During operation with substances ensure good air-ventilation room in order to avoid inhalation poisoning.

7.2. Conditions for safe storage, including any incompatibilities

Keep only in original container made from plastic (polyethylene with the high quality of HDPE). Do not pour to replaceable containers. Keeping the container in dry, tightly closed rooms with temperature + 5 ÷ 30°C with the good ventilation. The floor should be inflammable, made from impermeable concrete. Keep away from sun and heat. Keep away from ignition and fire sources.

7.3. Specific and use(s)

No data

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1. EXPOSURE LIMIT VALUES**

Control parameters of concentration (in acc. to Ordinance of Minister of Labour and Social Policy from 29th of November 2002, (Journal of Law, No 217, item 1833 with further amendments – Journal of Law No 212, item 1796, from 10th of October 2005)):

Non-ionic surfactants (data for the concentrated substance):

NDS, NDSCh: - no data available

Sodium soap (data for the concentrated substance):

NDS, NDSCh: - no data available.

Recommendations to the procedure of monitoring hazardous substances in air – method of measurements:

- Ordinance of the Minister of Health from 2ed February 2011 on test and measurements of the factors harmful for work environment (Journal of Law No 33, item 166)

- PN-89/Z-01001/06 – Air protection against pollution.. - names, definitions and units. Terminology concerning test of air pollution around workplaces.

- PN-89/Z-04008/07 – Air protection against pollution. Samples. The principles of getting samples of air around workplace and result analysis.

- PN-EN-689:2002 – Air around workplace- Guidelines of assessment of inhalation exposure on chemical substances by comparison to acceptable concentration rates and measurement strategy.

Notice: When the concentration of substance is known, personal protection should be chosen including this concentration around workplace, time of exposure and operations performed by worker. In emergency, if the concentration around workplace is unknown, personal protection of high protection class must be used.

8.2. EXPOSURE CONTROLS

Used personal protection should comply with the requirements of Ordinance of the Minister of Economy from 21st December 2005 on essential requirements of personal protection measures (Journal of Law No. 259, item 2173):

RESPIRATORY PROTECTION: Not required.

HAND PROTECTION: Not required.

EYE PROTECTION: Not required

SKIN PROTECTION: Not required

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. GENERAL INFORMATION**

FORM - liquid

ODOUR - characteristic

9.2. IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

pH – 11 ± 1

TEMPERATURES

a) BOILING POINT – no data available

b) MELTING POINT – no data available

c) FLASH POINT - no data available

d) AUTOIGNITION – no data available

FLAMABILITY – no data available

EXPLOSIVE PROPERTIES - no data available

OXIDATIVE PROPERTIES – no data available

VAPOR PRESSURE – no data available

RELATIVE DENSITY – 1,002 ± 0,020 g/cm³

DISSOLUBILITY

a) WATER – full

b) ORGANIC SOLVENT – no data available

PARTITION COEFFICIENT n-octanol /water – no data available

VISCOSITY – no data available

VAPOUR DENSITY – no data available

VAPORIZATION RATE – no data available

9.3. OTHER INFORMATION

INDEX OF REFRACTION – 4% Brix * ± 5%

*- presented as weight % of sucrose content in water solution.

SECTION 10. STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

Stabile under normal storing conditions, see section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Strong heated rooms without ventilation. Protect from long term exposure on light

10.5. Materials to avoid

Materials to be avoided: acids, strong oxidizing agents.

10.6. Incompatible materials

No data available.

SECTION 11. TOXICOLOGICAL INFORMATION**EXPOSURE****-RESPIRATORY:** not applicable**-INGESTION:** not applicable.**-SKIN CONTACT:** not applicable.**-EYES CONTACT:** in long term can cause irritation.**DETAILS OF PARTICULAR COMPONENTS (IN ACCORDANCE TO THE PARTICULAR SUBSTANCE DATA SHEET):****Non-ionic surfactants (data for the concentrated substance):**

Product is harmful if swallowed.

in case of contact with eyes may cause serious injuries, even irreparable.

Data for ethoxylated C8-C18 alcohol (> 5-20EO):

LD50> 200-2000 mg / kg (rat, oral))

LD50> 2000 mg / kg (rat, SKIN)

Sodium soap (data for the concentrated substance):

Effects and symptoms of risk:

- with eyes – caustic, risk of serious eyes injuries

- with skin – cause allergic changes

- inhalation – can irritating respiratory tract (cough, sneeze).

SECTION 12. ECOLOGICAL INFORMATION

Surface-active agents contained in preparation comply with the biodegradability criteria pursuant to Ordinance EC 648/2004 on detergents.

ECOTOXICITY EFFECTS (in acc. MSDS):**Non-ionic surfactants (data for the concentrated substance):**

The following data refer to alcohol ethoxylates.

Raw material readily biodegradable.

Degree of elimination:> 70% after 28 days, according to the OECD 301A

Degree of elimination:> 60% after 28 days, according to the OECD 301B.

Ecotoxicity:

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LC50> 1-10 mg / l / 96h (OECD 203) (Cyprinus carpio)
EC50> 1-10 mg / l / 48 h (OECD 202) (Daphnia magna)
EC50> 1-10 mg / l / 72h (OECD 201) (Scenedesmus subspicatus)

Sodium soap (data for the concentrated substance):

Alkaline product. You have to protect from penetrate this product to sewage system, water and grounds.

SECTION 13. DISPOSAL CONSIDERATIONS

RESIDUES OR WASTES:

Do not mix the substance with other liquid wastes. Do not enter to the sewage. The product should be totally used pursuant to its recommendation, if impossible the product or residues must be disposed as special wastes.

Waste code and type: 07 06 04 - other halogenated solvents, washing liquids and mother liquors.

Code classification pursuant to the Ordinance of the Minister of Environment from 27th September 2001 on waste records (Journal of Law No 112, item 1206).

13.1 PACKAGING:

Polluted packaging should be totally empty. Empty container rinse with water several times, which should be disposed as preparation. Empty packaging can be stored in containers designated to the collecting the plastic or refer to company specialized in utilization.

Waste code and type: 15 01 02 - plastic packaging.

SECTION 14. TRANSPORT INFORMATION

TRADE NAME: **LEDER CLEAN GT**

14.1. UN Number: does not apply

14.2. UN proper shipping name: does not apply

14.3. Transport hazard class(es): does not apply

14.4. Packing group: does not apply

14.5. Environmental hazards: NO

14.6. Special precautions for user: see sections 6 and 8

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: does not apply

WARNING LABEL: does not apply

SECTION 15. REGULATORY INFORMATION

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

This Material Substance Data Sheet was prepared on the basis on following regulations:

- Act from 25th February 2011 on chemical substances and chemical preparations (Journal of Law No 63, item 322).

- Ordinance of the Minister of Health from 28th September 2005 on hazardous substances record ant their classification and symbols (Journal of Law No 201, item 1674 and 1675).

- Ordinance of the Minister of Health from 2nd September 2003 on criteria and classification of chemical substances and chemical preparations (Journal of Law No 171, item 1665 and 166) and Ordinance of the Minister of Health from 29th October 2004 changing the ordinance on criteria and classification of chemical substances and chemical preparations (Journal of Law No 243, item 2440).

- Directive (EC) no 648/2004 of European Parliament and Council from 31st March 2004 on detergents and Directive of European Commission (EC) No 907/2006 changing the directive (EC) no 648/2004 of European Parliament and Council on detergents in order to adjustment of its attachments III and VII.

- Directive (EC) no 1907/2006 of European Parliament and Council from 18th December 2006 on register, assessment and issue permissions and using the limitation of chemicals (REACH), establishing the European Chemicals Agency, changing the directive 1999/45/EC and annulling the directive (EEC) Council No 793/93 and directive of Commission 9EC) no 1488/94, as also Directive of Council 76/769/EEC and directive of Commission 91/155/EEC, 93/67/EEC, 93/105/EEC and 2002/21/EC.

- Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions

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(integrated pollution prevention and control).

15.2. Chemical safety assessment

There has been a chemical safety assessment

SECTION 16. OTHER INFORMATION

Aforementioned information are worked out on the basis of the current state of art and product as it is used. Data concerning this product are presented in order to comply with the security requirements and not to guarantee its special properties. In case when use conditions are not under producer's control, the responsibility for safety use lies on user.

The employer is obliged to inform all employees, who have a contact with this product, on hazardous and personal protection listed in this Material Substances Data Sheet.

This Material Safety Data Sheet is worked out on the basis of Materials Safety Data Sheets attached to the preparation composition by producers and on the basis of regulations on hazardous substances and chemical preparations.

The classification was made on the basis of maximum concentration of hazardous substances.

The full text of any R phrases referred to under headings 2 and 3 of the Safety Data Sheets.

Xi – Irritating

Xn – Harmful

N – Dangerous for the environment

R22 – Harmful if swallowed

R36/38 – Irritating to eyes and skin

R41 – Risk of serious damage to eyes

Detail principles of use the product are on Technical Data Sheet on www.tenzi.pl

Trainings: Persons dealing with the hazardous substances marketing should be trained with regard to operating, and health and safety. Drivers should be trained and obtain proper certification in accordance to ADR regulations.

The product is submitted to **Inspector of Chemical Substances**.

Date of expiry in normal conditions – 36 month from the production date.

Amendments to the last version:

- General update. Update on MSDS available on www.tenzi.pl

This Material Safety Data Sheet is uniform document containing 6 pages.

Skarbimierzyce 06.07.2014