

**SAFETY DATA SHEET****SECTION 1 – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier:**

Trade name: Pâte à écorner Nethorn – Seringue de 45g
Product Code : 103306

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

A highly viscous soda-based gel product packaged in syringes for dehorning animals.

1.3 Details of the supplier of the safety data sheet:

UKAL élevage
2 rue de l'Etang
F-67360 Eschbach
TEL: 0388074015
E-MAIL: ukalel@ukal-elevage.com

1.4 Information in case of emergency:

Call local emergency information

Country	Emergency telephone number	Website
UK - England, Wales	111	http://www.nhs.uk/
UK - Scotland	111	http://www.nhs24.com/
UK - Northern Ireland	18000 or 999	http://www.gpoutofhours.hscni.net/
Ireland	01 809 2166	http://www.poisons.ie/

SECTION 2 – HAZARDS IDENTIFICATION**2.1 Classification of the mix:** Classification according to Regulation (EC) No 1272/2008

GHS05 : Corrosion

Met. Corr. 1 : H290 : May be corrosive to metals

Skin Corr. 1A : H314 : Causes severe skin burns and eye damage

This mixture is not harmful to the environment.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008:**

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS05

Signal word:

DANGER

Hazard statements

H290 : May be corrosive to metals

H314 : Causes severe skin burns and eye damage

Precautionary statements

P280 : Wear protective gloves, protective clothing, face and eye protection.

P260: Do not breathe vapours.

P303 + P361 + P353 : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

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 a doctor.

P390 : Absorb spillage to prevent material damage.

P501 : Dispose of contents/container as hazardous material in accordance with local, national or international regulations.

2.3 Other hazards:

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) as defined by criteria of article 57 of REACH (Regulation EC No.1907/2006) at concentration $\geq 0.1\%$ - list published by the European Chemicals Agency (ECHA) as per article 59 of REACH: (<http://echa.europa.eu/fr/candidate-list-table>).

The mixture does not contain any PBT or vPvB substances as defined in annex XIII of the REACH Regulation (EC) No.1907/2006.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures:****Composition:**

Identification	Substance name	Classification according to the CLP regulation (EC) No 1272/2008/CE	Concentration range
N°CAS: 1310-73-2 N°CE 215-185-5 REACH registration number : 01-2119457892-27	Sodium Hydroxyde*	GHS05 Dgr Met. Corr. 1 : H290 Skin Corr. 1A : H314	20 < C < 50 %

Information on the components: *Substance with an occupational exposure limit value

SECTION 4 – FIRST AID MEASURES**4.1 Description of first aid measures****General information:**

Take the package, label or MSDS with you when calling the emergency number, a poison control centre or doctor, or going for treatment. Never give anything by mouth to an unconscious person.

After inhalation:

Remove the subject from the polluted area, get fresh air, and examine: if respiratory problems appear, call for medical attention.

After skin contact:

Wash immediately with water. Immediately take off clothing contaminated by the product.

Immediate medical treatment is necessary as untreated burns cause wounds that are difficult to heal. Wash contaminated clothing before re-use.

After eye contact:

Immediately flush eyes with plenty of water for 15 minutes, holding eyelids apart. Remove contact lenses. In all cases consult an ophthalmologist.

After swallowing:

Do not induce vomiting. If the person is conscious, rinse out mouth, do not give water to drink. In case of emergency, call for medical attention, EMS (15) or FIREMEN (18) European emergency services (112). Show them the label and the safety data sheet. Apply first aid rules. Artificial respiration and/or oxygen may be necessary

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

Inhalation: Corrosive to the respiratory system.

Symptoms: Breathing difficulties, cough, chemical pneumonia, pulmonary oedema.

Repeated or prolonged exposure: Risk of sore throat, nosebleeds, chronic bronchitis.

Skin contact: Causes severe burns.

Symptoms: redness, swelling of tissues, burning.

Eye contact: Causes severe burns. Even small splashes in the eyes can cause irreversible tissue damage and blindness.
Symptoms: redness, tearing, swelling of tissue, burning.

Ingestion: If swallowed, severe burns of the mouth and throat and danger of perforation of the oesophagus and stomach.
Symptoms: nausea, abdominal pain, vomiting with blood, diarrhoea, suffocation, cough, severe respiratory failure.

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

No specific treatment required.

SECTION 5 - FIRE-FIGHTING MEASURES

Non-flammable

5.1 Extinguishing media

Suitable extinguishing agents:

The product itself does not burn. Use extinguishing media appropriate to local conditions and the surrounding environment.

In case of fire, use :

- foam
- powders
- carbon dioxide (CO₂).

Inappropriate means d'extinction

Direct water jets.

In general, water is not recommended because it may be ineffective; however, it can be used profitably to cool containers exposed to fire and disperse vapours.

5.2 Special hazards arising from the substance or mixture

A fire will often produce thick black smoke. Exposure to decomposition products may cause health hazards. Do not breathe fumes.

In case of fire, may form :

- Carbon monoxide (CO)
- Carbon Dioxide (CO₂)

Note the presence of concentrated sodium hydroxide in the product: releases hydrogen in the presence of metals (zinc, aluminium). On heating: releases corrosive gases/vapours. Violent exothermic reaction with (some) acids and water.

Vapours may be heavier than air and travel at ground level to a distant source of ignition and then backfire.

5.3 Advice for firefighters

Wear full protective suit and self-contained breathing apparatus.

Do not allow contaminated extinguishing water to enter sewers or watercourses.

Cool closed containers near the source of fire with water spray.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For precautionary instructions and safety equipment, see section 8.

May make floors slippery. Keep unnecessary personnel away. Keep away from all sources of sparks, flames, igniting bodies.

Avoid contact with skin and eyes. Wear gloves and goggles.

Do not breathe mists or aerosols.

For non-emergency personnel

Keep all unconcerned personnel away from the affected area. Alert security personnel. Except in the case of minor incidents, the feasibility of any action should always be assessed and, if possible, referred to a competent, trained and emergency management person for advice.

For first aiders

Workers will be equipped with appropriate personal protective equipment (Refer to Section 8).

6.2 Environmental precautions:

Prevent any discharge into sewers, storm water or natural environment. Dike the spill with earth, sand or other non-

combustible absorbent material such as mineral sorbent. Keep product out of drains, surface water, soil, ponds, storm water runoff.

6.3 Methods and material for containment and cleaning up:

Restrict the contaminated area and consult with the manufacturer in case of large releases. Ensure adequate ventilation, and contain, collect leaks with non-combustible absorbent materials, e.g. sand, kieselguhr, universal binder, ... Sweep up the product, then store the waste in polyethylene drums identified with tight-fitting lids before having it treated by an approved company. Finish by cleaning the floor with an aqueous solution containing an acid neutralizer and dispose of the water in the sewer at a pH level of 6.5 and 8.5.

6.4 Reference to other sections:

See section 7 for information on safe handling of the product.

See section 8 for information on personal protective equipment.

See section 13 for disposal information.

SECTION 7 – HANDLING AND STORAGE

The requirements for storage rooms are applicable to workshops where the mixture is handled.

7.1 Precautions for safe handling

Personal precautions, see section (8). Do not mix with other products. Avoid contact with eyes, skin or clothing. Do not touch the product with bare hands. If used in confined areas, ventilate as much as possible. Do not eat, drink or smoke during use. After handling, wash hands thoroughly. Remove and wash contaminated clothing before reuse. Provide safety showers and eyewash fountains in workshops where the mixture is handled consistently.

Fire prevention:

Prohibit unauthorized access.

Handle away from sources of ignition (open flame, sparks,...) and heat (above flash point).

Recommended equipment and procedures:

For personal protection, see item 8.

Observe the precautions indicated on the label and the occupational safety regulations.

Prohibited equipment and procedures:

Smoking, eating and drinking are prohibited in the areas where the mixture is used.

7.2 Conditions for safe storage, including any incompatibilities

Store the product in cool, well-ventilated rooms, away from sources of ignition or heat, away from flammable materials and oxidizers.

Storage

Store in a ventilated room, away from light, in original packaging, at temperatures above 5°C and below 35°C. Physically and chemically stable if stored at room temperature in its original hermetically sealed containers. Use a drip tray or retention pallet. Do not store food, beverages or feed in the same room.

Keep away from incompatible products: Oxidizing agents, bases, hydrazine, nitromethane.

Packaging

Always store in packaging made of the same material as the original one.

Suitable packaging materials:

- Polyethylene, Polypropylene

Inappropriate packaging materials:

- Iron, Other metals

7.3 Specific end use(s):

A highly viscous soda-based gel product packaged in syringes for dehorning animals.

For correct and safe use of this product, please refer to the product data sheet and label.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limit values:

Sodium hydroxide: (CAS n°1310-73-2):

Limit value - Eight hours (France- INRS) = 2 mg/m³ = indicative value

Limit value - Short term (UK & Ireland) = 2 mg/m³

DNEL (Derived No-Effect Level) - long term worker: local effects (inhalation) = 1 mg/m³

8.2 Exposure controls:

Good general ventilation should be sufficient.

Personal protective measures, such as personal protective equipment

Use clean and properly maintained personal protective equipment.

Store personal protective equipment in a clean area away from the work area.

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before reuse. Ensure adequate ventilation, especially in enclosed areas.

- Eye / face protection

Avoid contact with eyes. Use eye protection designed to protect against liquid splashes. Before any handling, it is necessary to wear side protection goggles complying with standard NF EN166. In case of increased danger, use a face shield for face protection. Wearing corrective glasses does not constitute protection. It is recommended that contact lens wearers use corrective lenses when working where they may be exposed to irritating vapours.

Provide eyewash fountains in areas where the product is handled consistently.

- Hand protection

Use suitable protective gloves resistant to chemical agents in accordance with standard NF EN374. The selection of gloves must be made according to the application and the duration of use at the work station. Protective gloves must be chosen according to the workstation: other chemical products that can be handled, physical protection required (cut, puncture, thermal protection), dexterity required.

Type of gloves recommended :

- natural rubber, glove thickness: 0.5 mm, penetration time $\geq$ 8h
- PVC (Polyvinyl Chloride), glove thickness: 0.5 mm, penetration time $\geq$ 8 hours
- Butyl rubber, glove thickness: 0.5 mm, penetration time $\geq$ 8h

- Body protection

Avoid contact with skin. Wear suitable protective clothing.

Appropriate type of protective clothing: In case of strong splashes, wear liquid-tight chemical protective clothing (type 3) complying with NF EN14605 to avoid skin contact. If there is a risk of splashes, wear chemical protective clothing (type 6) in accordance with NF EN13034 to avoid contact with the skin. Wear suitable protective clothing and in particular coveralls and boots. These will be kept in good condition and cleaned after use.

Appropriate type of protective boots: In case of small splashes, wear boots or half boots for protection against chemical risk in accordance with standard NF EN13832-2. In case of prolonged contact, wear boots or half boots with soles and upper, resistant and impermeable to liquid chemicals in accordance with standard NF EN13832-3. Personnel must wear regularly washed work clothing. After contact with the product, all soiled parts of the body must be washed.

- Respiratory protection

If vapours, dusts or aerosols are formed in a confined space, use a respirator with an approved filter. Recommended filter type: FFP2.

- Environmental Exposure Controls :

Prevent any leakage of the product into the sewer or natural environment. Thoroughly clean up all traces of product or waste that will be treated as specified in subsection (13).

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

General information

Physical state: Pasty

Important health, safety and environmental information:

pH:	14
Boiling point/boiling range (1013 hPa):	120°C
Vapour pressure:	No data available
Density:	No data available
Miscibility:	Not miscible with water
Log P Octanol/water at 25°C:	Not applicable
Hydrosolubility:	Exothermically soluble in water.

Viscosity:	Not data available
Melting point/range:	Not concerned
Self-ignition point/interval:	Not concerned
Decomposition point/interval:	Not concerned

9.2 Other information:

Refer to the product data sheet.

SECTION 10 – STABILITY AND REACTIVITY**10.1 Reactivity:**

Stable under normal conditions of use. May be corrosive to metals. Hazards associated with exothermic reactions.

10.2 Chemical stability:

Stable under normal conditions of storage. See point 7: Handling and storage.

10.3 Possibility of hazardous reactions:

Reacts violently with water. Releases hydrogen in the presence of non-precious metals (zinc aluminium). Violent exothermic reaction with strong acids.

10.4 Conditions to avoid:

Frost, humidity, direct sunlight, do not overheat, to avoid thermal decomposition. Avoid temperatures below 5°C and above 35°C. Source of flames, sparks, igniting bodies.

10.5 Incompatible materials:

Materials to be avoided: acids, light metals, aluminium, zinc, organic peroxides....

10.6 Hazardous decomposition products:

By thermal decomposition at high temperature (pyrolysis) release of dangerous gases (carbon monoxide and dioxide).

SECTION 11 – TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

No data are available.

11.1.1 Substances

No toxicological information is available on the substances.

11.1.2 Mixture**Acute toxicity:**

- Oral: Available data indicate that the classification criteria are not met. If swallowed, severe burns of the mouth and throat, as well as danger of perforation of the oesophagus and stomach.
- Dermal route: Causes skin burns.
- Eye: Causes eye damage.
- Inhalation: Harmful if swallowed.

Carcinogenicity:

No data is available on the mixture.

None of the substances used in the formulation are CMR classified.

Specific target organ toxicity - single exposure: Based on the available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure: On the basis of the available data, the classification criteria are not met.

Danger by aspiration:

The product is not classified according to the aspiration hazard. However, aspiration toxicity can lead to serious acute effects, such as chemical pneumonia, more or less severe lung damage or even death following aspiration.

SECTION 12 – ECOLOGICAL INFORMATION**12.1 Toxicity**

No data on the complete preparation is available.

12.1.2 Mixtures:

No data is available.

12.2 Persistence and degradability

No data is available.

12.2.2 Mixtures

No data is available.

12.3 Bioaccumulative potential

No data is available.

12.4 Mobility in soil

No data is available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

Harmful effects on aquatic organisms by shifting the pH value. Generally a neutralization is necessary before the discharge of wastewater into the sewage treatment plants (pH must be between 6.5 and 8.5 before rejection). Do not discharge to surface water or sewers.

SECTION 13 – DISPOSAL CONSIDERATIONS

Appropriate waste management of the mixture and/or its container shall be determined in accordance with provisions of Directive 2008/98/EC.

13.1 Waste treatment methods

Do not discharge into sewers or waterways.

General :

Avoid spillage into the environment. Handle uncleaned packaging in the same way as the product itself.

Do not mix the product or the packaging with other wastes.

Product:

Disposal with normal waste is not permitted. Disposal as special waste is necessary in accordance with local regulations. Prevent product from entering sewers. Contact the waste disposal services (ADIVALOR channel for example).

Contaminated packaging:

Reuse of packaging prohibited. Empty it carefully when using... Keep the label on the container. Store identified waste, unused products, have them recovered and treated by an approved waste disposal service (e.g. ADIVALOR network).

SECTION 14 – TRANSPORT INFORMATION

Transport Regulations	ADR/RID/ADNR	IMDG/OMI
N° ONU	1824	1824
CLASS	8	8
		
Packing Group	II	II
Name and description	Sodium Hydroxyde Solution	Sodium Hydroxyde Solution
Labels	8	8

Hazard Identification No.	80	S-B
Classification code	C5	F-A
Limited quantities	1L	----
Excepted quantities	E2	-----

SECTION 15 – REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mix:****- Information relating to classification and labelling in heading 2:**

The following regulations have been taken into account:

- Regulation (EC) No 1272/2008 as amended by Regulation (EU) No 487/2013
- Regulation (EC) No 1272/2008 as amended by Regulation (EU) No 758/2013
- Regulation (EC) No 1272/2008 as amended by Regulation (EU) No 944/2013
- Regulation (EC) No 1272/2008 as amended by Regulation (EU) No 605/2014
- Regulation (EC) No 1272/2008 as amended by Regulation (EU) No 1297/2014

The following regulations also apply:

- Council Directive 92/85/EEC of 19 October 1992 on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding
- Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.
- Commission Decision 2001/118/EC of 16 January 2001 amending Decision 2000/532/EC as regards the list of wastes.
- Regulation 830/2015/EC amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

- Packaging information:

No data are available.

- Special provisions :

No data are available.

- Tables of occupational diseases according to the French Labour Code:

No data is available.

15.2 Chemical safety assessment:

No data are available.

SECTION 16 – OTHER INFORMATION

As we are not aware of the user's working conditions, the information given in this safety data sheet is based on the state of our knowledge and on both national and Community regulations. The mixture must not be used for any purpose other than those specified in section 1 without first obtaining written handling instructions.

It is always the user's responsibility to take all necessary measures to comply with the requirements of local laws and regulations. The information given in this safety data sheet should be considered as a description of the safety requirements for this mixture and not as a guarantee of its properties.

Abbreviations and acronyms:

ADR: European Agreement on the International Carriage of Dangerous Goods by Road.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

RID : Regulations concerning the International carriage of Dangerous goods by rail.

PBT: Persistent, bioaccumulative and toxic.

vPvB : Very persistent and very bioaccumulative.

SVHC: Substance of Very High Concern.

History

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