

CALF STICK

EASY APPLICATION DEHORNING PASTE


SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

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


1.1 Product identifier	
Product Name	CalfStick
Product Code(s)	Not applicable
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	Dehorning paste for calves. Product is for professional use only Must not be used by persons under the age of 18, except when adult supervision is available.
Uses advised against	Do not mix with acids or any other chemical products.
1.3 Details of the supplier of the Safety Data Sheet	
Company Identification	Treidliacht Ltd 10A Bryansford Road Newcastle Co. Down BT33 0HJ +44 (0) 7519 783539 info@calfstick.com
Telephone	
E-Mail (competent person)	
1.4 Emergency telephone number	
Emergency Phone No.	+44 (0) 7519 783539

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
2.1.1 Regulation (EC) No. 1272/2008 (CLP)	Skin Corrosion (Category 1A). Causes severe skin burns and eye damage.
2.1.2 Directive 67/548/EEC & Directive 1999/45/EC	Corrosive. Causes severe burns.
2.2 Label elements	
2.2.1 Label elements	According to Regulation (EC) No. 1272/2008 (CLP)
Hazard Pictogram	
Signal Word	Danger
Hazard statement(s)	H314: Causes severe skin burns and eye damage.

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	<p>Precautionary statement(s)</p> <p>P102: Keep out of reach of children. P260: Do not breathe dust/fume/gas/mist/vapours/spray. P264: Wash skin thoroughly after handling. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P363: Wash contaminated clothing before reuse. P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P310: Immediately call a POISON CENTRE or doctor/physician. P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P501: Dispose of contents/container to: hazardous waste site According to Directive 67/548/EEC & Directive 1999/45/EC</p>
<p>2.2.2 Label elements Hazard Symbol</p>	
<p>Risk Phrases Safety Phrases</p>	<p>R35: Causes severe burns. S2: Keep out of the reach of children. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28: In case of contact with skin wash immediately with plenty of soap and water. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection. S50: Do not mix with acids. S51: Use only in well ventilated areas. S61: Avoid release to the environment. Refer to special instructions/ Safety data sheets S62: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label. Do not mix with acids or other chemical products.</p>
<p>2.3 Other hazards 2.4 Additional Information</p>	<p>None</p>

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	Cas No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Sodium Hydroxide	15 - 30	1310-73-2	215-185-5	01-2119457892-27	Skin Corr. 1A: H314

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	Cas No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Sodium Hydroxide	15 - 30	1310-73-2	215-185-5	01-2119457892-27	C, R35

3.3 Additional Information

For full text of H/P phrases see section 16. For full text of R/S phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

Remove persons affected by vapour to fresh air. For those providing assistance, avoid exposure to yourself or others. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing is irregular or has stopped, administer artificial respiration.

Skin Contact

Remove contaminated clothing and shoes immediately and wash affected skin with water.

Eye Contact

Wash contaminated clothing before reuse. Eyes should be washed with plenty of water for at least 15 minutes. Get immediate medical attention.

Ingestion

Wash out mouth with water. Do not induce vomiting. Get immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Burning sensation, cough, wheezing, shortness of breath, spasm. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Itching, pain, redness, and swelling of skin

4.3 Indication of immediate medical attention and special treatment needed

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

Extinguish with dry chemical, foam, water spray, or carbon dioxide.

Unsuitable Extinguishing Media

Straight streams of water

5.2 Special hazards arising from the substance or mixture

When heated and in case of fire, harmful vapours/gases may be formed.

5.3 Advice for fire-fighters

Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures	Avoid contact with spilled material. Wear suitable protective equipment. Refer to section 5 for fire-fighting; section 4 for first-aid advice; and section 8 for minimum requirements for personal protective equipment.
6.2	Environmental precautions	Do not allow to enter drains, sewers or watercourses.
6.3	Methods and material for containment and cleaning up	Adsorb spillages onto sand, earth or any suitable adsorbent material.
6.4	Reference to other sections	Section 1 for emergency contact. Section 8 for information on appropriate personal protective equipment.
6.5	Additional Information	None.

7. SECTION 7: HANDLING AND STORAGE

7.1	Precautions for safe handling	Avoid contact with skin. Avoid breathing fumes. Avoid ingestion. Avoid inhalation of vapours. Use only with adequate ventilation. Keep away from heat and sources of ignition. Keep container tightly closed. Wear protective gloves/clothing and eye/face protection.
7.2	Conditions for safe storage, including any incompatibilities	
	Storage Temperature	Store between 0°C to 25°C. Keep out of direct sunlight.
	Storage Life	1 year.
	Incompatible materials	Acids and oxidisers.
7.3	Specific end use(s)	Dehorning paste for calves.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note:
Sodium Hydroxide	1310-73-2	-	-	-	2	EH40

8.1.2 Biological limit value

Not established

8.1.3 PNECs and DNELs

Not established

8.2.1 Appropriate engineering controls

8.2.2 Personal protection equipment

Eye/face protection

Wear chemical safety glasses with side shields, or splash-proof goggles



Skin protection (Hand protection/ Other)

Any specific glove information provided is based on published literature and glove-manufacturer data. Contact the glove manufacturer for glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. Chemical resistant gloves are recommended. If contact with forearms is likely, wear gauntlet –style gloves - Nitrile, CEN standards EN 420 and EN 374 provide general requirements and list of glove types. If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements. Types of respirator to be considered for this mixture include: Half-face filter respirator; Type A filter material CEN standards EN136, EN140 and EN 405 provide respirator masks and EN 149 and EN 143 provide filter recommendations



Respiratory protection

None Known



Thermal hazards

8.2.3 Environmental Exposure Controls

See sections 6,7,12,13

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties	
	Appearance	Paste
	Colour	Yellow
	Odour	None
	Odour Threshold (ppm)	No data available
	pH (Value)	14
	Melting Point (°C) / Freezing Point (°C)	No data available
	Boiling point/boiling range (°C):	No data available
	Flash Point (°C)	No data available
	Evaporation rate (Butyl Acetate = 1)	No data available
	Flammability (solid, gas)	No data available
	Explosive limit ranges.	No data available
	Vapour Pressure (mm Hg)	No data available
	Vapour Density (Air=1)	No data available
	Density (g/ml)	No data available
	Solubility (Water)	Insoluble
	Solubility (Other)	No data available
	Partition Coefficient (n-Octanol/water)	No data available
	Auto Ignition Temperature (°C)	No data available
	Decomposition Temperature (°C)	No data available
	Viscosity (mPa.s)	No data available
	Explosive properties	No data available
	Oxidising properties	No data available
9.2	Other information	None

10. SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions of use.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	Reacts violently with acids. Contact with metals such as Aluminium, Zinc, Magnesium, Tin or their alloys will cause the formation of flammable Hydrogen gas.
10.4	Conditions to avoid	Direct sunlight.
10.5	Incompatible materials	Acids and oxidisers. Zinc or aluminium surfaces.
10.6	Hazardous Decomposition Product(s)	Noxious, toxic or corrosive vapours may be released in a fire situation.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
11.1.2	Mixtures	
	Acute toxicity	There is no information regarding the mixture but one of the components, Sodium Hydroxide, has been assessed as follows: LD50, oral, rat 325mg/Kg
	Irritation	No data available
	Corrosivity	No data available
	Sensitisation	No data available
	Repeated dose toxicity	No data available
	Carcinogenicity	No data available
	Mutagenicity	No data available
	Toxicity for reproduction	No data available
11.2	Other information	None



12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	There is no information regarding the mixture but one of the components, Sodium Hydroxide, has been assessed as follows: LC50 - Gambusia affinis (Mosquito fish) - 125 mg/l - 96 h. LC50 - Oncorhynchus mykiss (rainbow trout) - 45.4 mg/l - 96 h
12.2	Persistence and degradability	No data available.
12.3	Bioaccumulative potential	Not expected to bioaccumulate..
12.4	Mobility in soil	No data available
12.5	Results of PBT and VPVB assessment	No PBT or VPVB Components
12.6	Other adverse effects	None

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not burn, or use a cutting torch on, the empty drum. Dispose of in accordance with the European Directives on waste and hazardous waste. Waste must be classified and labelled prior to recycling or disposal. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.
13.2	Additional Information	None

14. SECTION 14: TRANSPORT INFORMATION

14.1 Land transport (ADR/RID)

UN number	3262
Proper Shipping Name	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (sodium hydroxide)
Transport hazard class(es)	8
Packing Group	II
Hazard label(s)	



Environmental hazards	No
Special precautions for user	Not applicable.

14.2 Sea transport (IMDG)

UN number	3262
Proper Shipping Name	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (sodium hydroxide)
Transport hazard class(es)	8
Packing Group	II
Marine Pollutant	No
Special precautions for user	Not applicable.

14.3 Air transport (ICAO/IATA)

UN number	3262
Proper Shipping Name	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (sodium hydroxide)
Transport hazard class(es)	8
Packing Group	II
Environmental hazards	None
Special precautions for user	Not applicable

14.4 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

15. SECTION 15: REGULATORY INFORMATION

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

1907/2006 – REACH
 1272/2008 – CLP
 67/548/EEC –DSD
 199/45/EC – DPD
 648/2004/EC-Detergents Directive
 98/8/EC -BPD

15.1.1 EU regulations

Authorisations and/or restrictions on use

Refer to EU regulation for details of any actions or restrictions by the above regulations or directives

15.1.2 National regulations

Refer to national regulation for details of any actions or restrictions by the above regulations or directives

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this mixture.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
DNEL	Derived No Effect Level
PNEL	Predicted No Effect Concentration
RCP	Reciprocal Calculation Procedure

References: Sources of information used in preparing this SDS included one or more of the following: results from in-house or supplier toxicology studies; publications from trade associations; ECHA publications; EU guidelines and other sources as appropriate

Risk Phrases and Safety Phrases

R35: Causes severe burns.

S2: Keep out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: In case of contact with skin wash immediately with plenty of soap and water.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

S50: Do not mix with acids.

S51: Use only in well ventilated areas.

S61: Avoid release to the environment. Refer to special instructions/ Safety data sheets

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Hazard statement(s) and Precautionary statement(s)

H314: Causes severe skin burns and eye damage.

P102: Keep out of reach of children.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash skin thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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

P363: Wash contaminated clothing before reuse.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P310: Immediately call a POISON CENTRE or doctor/physician.

P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P501: Dispose of contents/container to: hazardous waste site.

Additional Information

This Safety Data Sheet has been produced by d5 Consulting Limited on behalf of Treidliacht Limited, based on information supplied by the formulators of the product and is believed to be accurate and given in good faith, but it is for the users to satisfy themselves of the suitability of the product for their own particular purpose. d5 Consulting Limited and Treidliacht Limited, shall not be held liable for any damage resulting from handling or from contact with the above product. Treidliacht Limited and d5 Consulting Limited give no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law.