

# Material Safety Data Sheet



Completed 19-03-2020  
SDS version 1.0

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product Identifier

Trade Name: Hoof Gel 38%  
Product- no.: 401301

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

#### Recommended uses:

Hygiene product for the hoofs and hooves of animals.

#### Uses advised against:

This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

### 1.3. Details of the supplier of the safety data sheet

#### Company and address:

Nardos A/S  
Energivej 1  
DK-8420, Knebel  
Danmark  
+45 8635 0099

#### Contact person and E-mail:

nardos@nardos.dk

#### The Safety data sheet is completed and validated by:

mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: KSO

### 1.4. Emergency telephone number

NHS: 111

Use your national or local emergency number - See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

CLP (1272/2008):

Eye Dam. 1;H318

Repr. 2;H361

See full text of H-phrases in section 16.

### 2.2. Label elements



#### Signal word:

Danger

Causes serious eye damage. (H318)

Suspected of damaging the unborn child by ingestion. (H361)

Obtain special instructions before use. (P201)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)

Wear protective gloves/eye protection/face protection. (P280)

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

IF exposed or concerned: Get medical advice/attention. (P308 + P313)

### 2.3. Other hazards

The product contains organic solvents. Repeated exposure to organic solvents may cause damage to the central nervous system and internal organs fx. liver and kidney.

The product contains a substance which is a suspected reproductive hazard.

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**Additional labelling:**

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**Additional warnings**

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## SECTION 3: Composition/information on ingredients

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### 3.1./3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
Salicylic acid	607-732-00-5 / -	69-72-7	200-712-3	Acute Tox. 4;H302, Eye Dam. 1;H318, Repr. 2;H361d	> 25 - < 50	-
Ethanol	603-002-00-5 / -	64-17-5	200-578-6	Flam. Liq. 2;H225, Eye Irrit. 2;H319	> 10 - < 25	1
Propan-2-ol	603-117-00-0 / -	67-63-0	200-661-7	Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336	<5	1

1) The substance is an organic solvent.

See full text of H-phrases in section 16.

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## SECTION 4: First aid measures

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### 4.1. Description of first aid measures

**Inhalation:**

Seek fresh air.

Seek medical advice in case of persistent discomfort.

**Ingestion:**

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.

Do not induce vomiting.

Seek medical advice in case of discomfort.

**Skin contact:**

Wash skin with soap and water.

Seek medical advice in case of persistent discomfort.

**Eye contact:**

Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained.

**Additional information:**

When obtaining medical advice, show the safety data sheet or label.

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

Causes serious eye damage.

Reproductive toxicity: This product contains teratogenic substances which can do long-term damage to human offspring. The effects on the child can be: death, deformity, delayed development, and functional disorders.

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

Show this safety data sheet to the doctor in attendance.

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## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media

Surrounding fire:

Extinguish with powder, foam, carbon dioxide or water mist.

Do not use water stream, as it may spread the fire.

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## 5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.  
Hazardous fumes are formed in fire conditions.  
Product decomposes in fire conditions and toxic gases such as CO<sub>x</sub> may be released.  
Exposure to decomposition products may cause a health hazard.

## 5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

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## SECTION 6: Accidental release measures

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### 6.1. Personal precautions, protective equipment and emergency procedures

See section 8 for type of protective equipment.  
Avoid breathing and contact with skin and eyes.

### 6.2. Environmental precautions

Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.  
Prevent spillage from entering drains and/or surface water.

### 6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers.  
Wipe up minor spills with a cloth.

### 6.4. Reference to other sections

See section 8 for type of protective equipment.  
See section 13 for instructions on disposal.

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## SECTION 7: Handling and storage

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### 7.1. Precautions for safe handling

See section 8 for information about precautions for use and personal protective equipment.  
Use the product under well-ventilated conditions.  
Running water and eye wash equipment must be available.

### 7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.  
Keep in tightly closed original packaging.  
Store in a dry, cool, well-ventilated area.  
Store fireproof. Storage for flammable liquids must follow local regulations for flammable stock.

### 7.3. Specific end use(s)

See application section 1.

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## SECTION 8: Exposure controls/personal protection

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### 8.1. Control parameters

Occupational exposure limits according to EH40/2005 Workplace exposure limits (Fourth Edition 2020):

Substance	Long-term exposure limit ppm / mg/m <sup>3</sup>	Short-term exposure limit ppm / mg/m <sup>3</sup>	Note
Ethanol	1000 / 1920	- / -	-
Propan-2-ol	400 / 999	500 / 1250	-

#### DNEL/PNEC-values:

##### DNEL Salicylic acid

	Workers	Consumers
Inhalation - Chronic Systemic	5 mg/m <sup>3</sup>	4 mg/m <sup>3</sup>
Inhalation - Chronic Local	5 mg/m <sup>3</sup>	-
Dermal - Chronic Systemic	2,3 mg/kg bw/day	1 mg/kg bw/day
Oral - Chronic Systemic	-	1 mg/kg bw/day
Oral - Acute Systemic	-	4 mg/kg bw/day

##### DNEL Ethanol

	Workers	Consumers
Inhalation - Chronic Systemic	950 mg/m <sup>3</sup>	114 mg/m <sup>3</sup>
Dermal - Chronic Systemic	343 mg/kg bw/day	206 mg/kg bw/day
Oral - Chronic Systemic	-	87 mg/kg bw/day
Oral - Acute Systemic	-	87 mg/kg bw/day

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### DNEL Propan-2-ol

	Workers	Consumers
Inhalation - Chronic Systemic	500 mg/m <sup>3</sup>	89 mg/m <sup>3</sup>
Dermal - Chronic Systemic	888 mg/kg bw/day	319 mg/kg bw/day
Oral - Chronic Systemic	-	26 mg/kg bw/day
Oral - Acute Systemic	-	26 mg/kg bw/day

### PNEC Salicylic acid

Fresh water	0,2 mg/L
Intermittent releases (Fresh water)	1 mg/L
Marine water	0,02 mg/L
Soil	0,166 mg/kg soil dw

### PNEC Ethanol

Fresh water	0,96 mg/L
Intermittent releases (Fresh water)	2,75 mg/L
Marine water	0,79 mg/L
Soil	0,63 mg/kg soil dw

### PNEC Propan-2-ol

Fresh water	140,9 mg/L
Intermittent releases (Fresh water)	140,9 mg/L
Marine water	140,9 mg/L
Soil	28 mg/kg soil dw

### 8.2. Exposure controls

There are no exposure scenarios for this product.

#### Appropriate engineering controls:

Wear the personal protective equipment specified below.  
Wash hands before breaks, before using restroom facilities, and at the end of work.  
Do not eat, drink or smoke when using this product.

#### Personal protective equipment:



#### Respiratory protection:

Not required.

#### Hand protection:

Wear protective gloves which fulfills EN 374.

#### Eye/face protection:

Wear safety goggles/face protection.

#### Skin protection:

Not required.

#### Environmental exposure controls:

Ensure compliance with local regulations for emissions.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance:

Physical state:	Viscous
Colour:	White
Odour:	Alcohol
Odour threshold:	-
pH:	2,0 - 3,0
Melting point/ Freezing Point (°C):	-
Initial boiling point and boiling range (°C):	> 76
Flash point (°C):	> 76
Evaporation rate:	-
Flammability (solid, gas):	-
Upper / lower flammability or explosion limits (vol-%):	-
Vapour pressure:	-

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Vapour density (air=1):	-
Relative density:	1100 g/cm <sup>3</sup>
Solubility(ies):	Miscible with water
Partition coefficient: n-octanol/water:	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
Viscosity:	-
Explosive properties:	-
Oxidising properties:	-

## 9.2. Other information

None.

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## SECTION 10: Stability and reactivity

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### 10.1. Reactivity

No data.

### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.  
Combustible at temperatures above the flash point.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and toxic gases such as COx may be released.

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## SECTION 11: Toxicological information

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### 11.1. Information on toxicological effects

#### Acute toxicity:

Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
Salicylic acid	Oral	Rat	LD50	891 mg/kg bw
Salicylic acid	Dermal	Rat	LD50	> 2000 mg/kg bw
Ethanol	Oral	Rat	LD50	10470 mg/kg bw
Ethanol	Inhalation	Rat	LC50/ 4 Hours	116,9 mg/L air
Propan-2-ol	Oral	Rat	LD50	5,84 g/kg bw
Propan-2-ol	Inhalation	Rat	LC50/ 6 Hours	ca. 5000 ppm
Propan-2-ol	Dermal	Rabbit	LD50	16,4 mL/kg bw

#### Skin corrosion/irritation:

May irritate the skin – may cause reddening.

#### Serious eye damage/irritation:

Causes serious eye damage.

#### Respiratory or skin sensitisation:

Based on the existing data, the classification is not met.

#### Germ cell mutagenicity:

Based on the existing data, the classification is not met.

#### Carcinogenicity:

Based on the existing data, the classification is not met.

#### Reproductive toxicity:

Suspected of damaging the unborn child by ingestion.

#### STOT-single exposure:

The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

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**STOT-repeated exposure:**

Prolonged or repeated inhalation of vapours may cause damage to the central nervous system.

**Aspiration hazard:**

Based on the existing data, the classification is not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	Test duration	Species	Test	Result
Salicylic acid	48 Hours:	Daphnia	EC50	> 100 mg/L
Ethanol	48 Hours:	Fish	LC50	14,2 g/L
Ethanol	48 Hours:	Daphnia	LC50	5012 mg/L
Ethanol	48 Hours:	Algae	EC50	275 mg/L
Propan-2-ol	24 Hours:	Fish	LC50	9640 mg/L
Propan-2-ol	24 Hours:	Daphnia	LC50	> 10000 mg/L

### 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Salicylic acid	Yes	EU Method C,9	4 Days: >90%
Ethanol	Yes	BOD	5 Days: 74%
Propan-2-ol	Yes	EU Method C.5	5 Days: 53%

### 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
Salicylic acid	No	2,25
Ethanol	No	-0,35
Propan-2-ol	No	0,05

### 12.4. Mobility in soil

Test data are not available.

### 12.5. Results of PBT and vPvB assessment

The mixture does not meet the criteria for PBT or vPvB.

### 12.6. Other adverse effects

None.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC-Code	Description
14 06 03	Other solvents and solvent mixtures

**Specific labelling:**

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**Contaminated packaging:**

Empty packaging must be disposed of through the municipal waste collection service for hazardous waste.

## SECTION 14: Transport information

The product is covered by the rules for transport of dangerous goods.

### 14.1 -14.4.

**ADR**

UN number:	UN proper shipping name	Transport hazard class(es)	Packing group
1170	ETHANOLSOLUTION	3	III

**IMDG**

UN number:	UN proper shipping name	Transport hazard class(es)	Packing group
1170	ETHANOLSOLUTION	3	III

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## 14.5. Environmental hazards

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## 14.6. Special precautions for user

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## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

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## SECTION 15: Regulatory information

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

#### Sources:

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

#### Additional labelling:

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#### Restrictions for application:

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. Young people above 15 years are exempted this rule, if the product is a part of an education/training.

#### Demands for specific education:

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### 15.2. Chemical safety assessment

None.

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## SECTION 16: Other information

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According to EU regulation 1907/2006 (REACH)

#### Other information:

##### Sources:

EC regulation 1907/2006 (REACH).  
EC Regulation 1272/2008 (CLP).  
EU regulation no. 276/2010  
Directive 2000/532/EC  
ECHA-The European Chemicals Agency

#### Full text of H-phrases as mentioned in section 2+3:

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging the unborn child by ingestion.

#### Classification according to Regulation (EC) Nr. 1272/2008:

Eye Dam. 1;H318	Calculation method
Repr. 2;H361	Calculation method

#### Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.  
CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.  
CAS-Number.: Chemical Abstracts Service number.  
EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).  
DNEL: Derived No Effect Level.  
PNEC(s): Predicted No Effect Concentration(s).  
STOT: Specific Target Organ Toxicity.  
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).  
LC50: Lethal Concentration to 50 % of a test population.  
EC50: The effective concentration of substance that causes 50% of the maximum response.  
PBT: Persistent, Bioaccumulative and Toxic.  
vPvB: Very Persistent and Very Bioaccumulative.  
NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.  
NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

## Material Safety Data Sheet



**Other:**

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily applicable to use with other chemicals/products.

**Minor changes have been made in following sections:**

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**This material safety data sheet replaces version:**

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