

SAFETY DATA SHEET according to 29 CFR 1910.1200 and GHS
For StopBite

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

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Product identifier: StopBite – Isopropanol denatured with denatonium benzoate
Chemical family: Alcohols
Details of the supplier of the safety data sheet
Northeast Livestock LLC
3570 Kilkenny Lane
Medina, MN 55340
Phone +1 612 806 0177

Regulatory howard@marabo.com
1.4. Emergency telephone number +1 612 806 0177

Product Use Description: Topical application to hide of animals

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SECTION 2: Hazards identification

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StopBite - Isopropyl Alcohol 70% with denaturant and FD&C color

GHS label elements, including precautionary statements.



Signal Word:

DANGER!

Hazard statement(s)

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness.

Precautionary statement(s)

P501 Dispose of contents and container to an approved waste disposal plant.

P240 Ground/bond container and receiving equipment.

P337 + P313 If eye irritation persists: Get medical attention

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove

contact lenses, if present and easy to do. Continue rinsing. Seek medical attention

P304 + P330 If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction

P210 Keep away from heat, sparks, open flames, and hot surfaces. No smoking.

P233 Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P243 Take precautionary measures against static discharge.

P241 Use explosion-proof electrical, ventilating, and lighting equipment.

P242 Use only non-sparking tools.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves and eye and face protection.

GHS Classification(s)

Eye irritation (Category 2)

Flammable Liquids (Category 2)

Skin irritation (Category 2)

Specific target organ toxicity - single exposure (Category 3)

Other hazards which do not result in classification:

Potential health Effects:

Ingestion: Ingestion of isopropanol may cause drowsiness, gastrointestinal pain, cramps, nausea, vomiting and diarrhoea; unconsciousness and death may follow massive exposures.

Skin Absorption: No adverse effects with normal skin. However, potentially harmful amounts of material maybe absorbed across markedly abraded skin when contact is sustained, particularly in children.

Inhalation : Mild irritation of the upper respiratory tract may begin at approximately 400 ppm.

High concentrations may cause drowsiness, lack of coordination and deep narcosis.

Skin Contact: Mild irritant.

Repeated or prolonged exposure may lead to drying and cracking.

Severe eye irritant.

Isopropanol vapours can irritate eyes beginning at approximately 400 ppm.

Eye damage from contact with liquid is reversible and proper treatment will result in healing within a few days. Damage is usually mild to moderate conjunctiva, seen mainly as redness of the conjunctiva.

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SECTION 3- Composition and information on ingredients

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Chemical Name Index No. CAS No. EC No. REACH Registration Conc. Classification Number (%w/w)
70% Isopropanol (2-Propanol) 603-117-00-0 CAS# 67-63-0 200-661-7 Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;
<5% Benzyl diethyl [(2,6-xylylcarbamoyl) methyl] ammonium benzoate in Propylene Glycol Denatonium Benzoate. Ammonium, Benzyl diethyl ((2,6,Xylylcarbamoyl) methyl)-Benzoate CAS #: 3734-33-6 Acute Tox. 4 (Oral), Skin Irrit. 3 Eye Irrit. 2B
<5% Propylene Glycol CAS # : 57-55-6 Skin Irrit. 2 Eye Irrit. 2A STOT SE 3

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SECTION 4: First aid measures

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Ingestion

Never give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing.

DO NOT INDUCE VOMITING.

Have victim drink about 250ml (8fl. oz.) of water to dilute material in stomach.

If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

Seek medical assistance.

Skin

Flush contaminated area with water for at least 20 minutes.

Remove contaminated clothing under running water.

Completely decontaminate clothing before re-use, or discard.

If irritation occurs seek medical attention.

Inhalation

Remove victim to fresh air.

Artificial respiration should be given if breathing has stopped and cardiopulmonary resuscitation if heart has stopped.

Oxygen may be given if necessary.

Seek medical attention immediately.

Eyes

Immediately flush eyes with water for at least 20 minutes, holding the eyelids open.

Seek medical attention immediately.

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SECTION 5: Firefighting measures
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Extinguishing Media

Apply alcohol-type or all-purpose-type foams by manufacturers' recommended techniques for large fires.

Use carbon dioxide or dry chemical media for small fires.

Water is generally unsuitable for large open pools of alcohol and may help to spread the fire.

Unusual Fire and Explosion Hazards

Vapours form from this product and may travel or be moved by air currents and ignited by pilot lights,

other flames, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from handling point.

Special Firefighting Procedures

Use water spray to disperse vapours; reignition is possible.

Use self-contained breathing apparatus and protective clothing.

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SECTION 6 Accidental Release Measures
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Spill

Contain spilled material.

Provide adequate ventilation. Provide adequate personnel protective equipment for responders.

Remove sources of heat, sparks or flames.

Spill should be collected in suitable containers or absorbed on a suitable absorbent material for subsequent disposal. Such containers used to contain spilled material and absorbent should be sealed off, otherwise the collected alcohol will evaporate from them.

Waste Disposal

Waste material should be disposed of in an approved incinerator or in a designated landfill site, in compliance with all federal, provincial and local government regulations.

SECTION 7 Precautions for safe handling

Precautions to be taken in handling and storing

Keep away from heat, sparks and flames.

Keep container closed when not in use.

Use with adequate ventilation.

Avoid breathing vapours.

Avoid contact with eyes and skin.

Wash exposed skin thoroughly after handling.

Take precautions to prevent static electricity build-up when transferring contents.

Other Precautions

Good personal hygiene practices are suggested, such as abstaining from eating drinking and smoking in the workplace.

SECTION 8: Exposure controls/personal protection



Appropriate engineering controls

Individual protection measures Eye / face protection Skin protection - Hand protection Respiratory protection Ensure adequate ventilation of the working area. Wear chemical protective clothing. Wear eye/face protection.

Wear suitable gloves. In case of insufficient ventilation, wear suitable respiratory equipment.

Respiratory Equipment

Up to 1000 ppm, an approved organic vapour cartridge respirator can be used.

For concentrations above 1000 ppm, an air-supplying respirator is recommended.

The user should consult a respirator guide, such as the Canadian Standards Association's guide Z94.4-M1982.

Ventilation

The ventilation system should be non-sparking, grounded and separate from other exhaust ventilation systems.

Local ventilation is recommended when handling.

Protective Gloves

Neoprene, butyl or natural rubber.

Eye Protection

Chemical resistant mono-goggles when handling

Other Protective Equipment

Eye bath, safety shower and other protective equipment as required.

Exposure Limit Values for Isopropanol

Isopropanol (2-Propanol)	ACGIH TLV TWA: Notations: OSHA PEL 8hr TWA mg m ³ : NIOSH REL 10hr TWA ppm: NIOSH REL 15 min ST ppm: 200 ppm A4 980 ACGIH TLV STEL: 400 ppm OSHA PEL 8hr TWA ppm: 400 Skin Designation: - NIOSH REL 10hr TWA mg m ³ : NIOSH REL 15 min ST mg m ³ :
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SECTION 9: Physical and chemical properties
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APPEARANCE Blue alcoholic liquid

ODOUR Typical ethanol/ lower alcohol odour

ODOUR THRESHOLD Approximately 40 to 200 ppm according to the Canadian Centre for Occupational Health and Safety.

H Not Applicable

MELTING./ FREEZING POINT Approximately minus 89 deg. C

BOILING POINT RANGE 81.3-83. Boiling point: approx. 82.0 deg. C , for 100% Isopropyl Alcohol

FLASH POINT 21°C (Tag closed cup, ASTM D-56)

EVAPORATION RATE 2.3 (butyl acetate = 1) , for 100% Isopropyl Alcohol

LOWER FLAMMABILITY LIMIT 2.5% V/V , for 100% Isopropyl Alcohol

UPPER FLAMMABILITY LIMIT 12 % V/V , for 100% Isopropyl Alcohol

VAPOR PRESSURE 4.4 KPA @ 20 deg. C, for 100% Isopropyl Alcohol

VAPOUR DENSITY 2.07 (air=1) , for 100% Isopropyl Alcohol

RELATIVE DENSITY (LIQUID) 0.876 @ 20oC

SOLUBILITY IN WATER Complete

**SOLUBILITY IN OIL- COEFFICIENT
OF WATER/OIL DISTRIBUTION**

Separates from oil

AUTO- IGNITION TEMPERATURE Approx. 399 deg. C , for 100% Isopropyl Alcohol

% VOLATILES BY VOLUME 100

CHEMICAL FORMULA 70% Isopropanol with adjuvants: CH₃-CHOH-CH₃
Molecular weight: 60.09

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SECTION 10: Stability and reactivity

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Stability

Stable

Conditions to Avoid □

Sources of ignition

Incompatibility

Oxidizing materials

Hazardous Combustion or decomposition products

Carbon dioxide and/or carbon monoxide.

Hazardous Polymerization □

Will not occur

Conditions to Avoid

None currently known

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SECTION 11: Toxicological information

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INGREDIENT	% V/V	TLV, ppm	LC50, ppm/4h.	LD50, mg/kg	LD50, mg/kg
			RAT, INHAL.	RAT, ORAL	RABBIT, SKIN
Isopropanol	70	400	16,970	4,420	13,000
Denatonium Benzoate	<5%	undetermined	undetermined	584 mg/kg	undetermined
Propylene Glycol	<5%	undetermined	Not known	20 g/kg	20800 mg/kg
Water	Balance				

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Denatonium Benzoate 3734-33-6l

Product Summary:

No data available for the mutagenic, teratogenic, or reproductive effects of the product.

Irritation:

Eyes

Causes eye irritation.

Skin

Slightly irritating to the skin. Repeated contact with neat product may dry the skin causing cracking and/or fissuring.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Eye irritation (rabbit): No data available

Sensitization (guinea pig): No data available

Genotoxicity and Reproductive Effects: No data available

Ames test: No data available

Specific target organ toxicity - single exposure: Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Additional information: No data available

Further data: No data available

Other Hazards

Ingestion☐

Ingestion may cause drowsiness, gastrointestinal pain, cramps, nausea, vomiting and diarrhoea; unconsciousness and death may follow massive exposures.

Skin Absorption

No adverse effects with normal skin. However, potentially harmful amounts of material maybe absorbed across markedly abraded skin when contact is sustained, particularly in children.

Inhalation Mild irritation of the upper respiratory tract may begin at approximately 400 ppm. High concentrations may cause drowsiness, lack of coordination and deep narcosis.

Skin Contact

Mild irritant.

Repeated or prolonged exposure may lead to drying and cracking.

Severe eye irritant.

Isopropanol vapours can irritate eyes beginning at approximately 400 ppm.

Eye damage from contact with liquid is reversible and proper treatment will result in healing with-in a few days. Damage is usually mild to moderate conjunctivitis, seen mainly as redness of the conjunctiva.

May cause allergic reactions in susceptible people.

No ingredient found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112.

Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens.

Not listed in the OSHA standard 1910.1003 Carcinogens.

No teratogenic effects reported.

May cause irritation to respiratory system. May cause dizziness and headache.

Avoid prolonged or repeated exposure.

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SECTION 12: Ecological information
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Isopropyl Alcohol CAS 67-63-0

Ecotoxicity (aquatic and terrestrial, where available):

Acute Fish Toxicity (ISOPROPANOL)

LC50 / 96 hours Pimephales promelas: 9,640 mg/L

Toxicity to Aquatic Plants (ISOPROPANOL)

EC50 / 72 hours Scenedesmus subspicatus > 1,000 mg/L

Toxicity to Microorganisms (ISOPROPANOL)

EC50 / 3 hours Activated sludge > 1,000 mg/L

Persistence and degradability:

Readily biodegradable (77% degraded in 10 days). Expected to be hydrolytically stable, but rapidly degraded following atmospheric releases.

Bioaccumulative potential:

Bioconcentration factor (BCF) of 3.16. (Predicted bioconcentration factor).
 Significant bioaccumulation is not expected based on predicted BCF of 3.16.

Denatonium Benzoate 3734-33-61

Ecotoxicity (aquatic and terrestrial, where available):
 Acute Fish Toxicity (DENATONIUM BENZOATE)
 LC50 / 96 hours Rainbow Trout >1000 mg/L

Biodegradation: Maybe difficult to biodegrade
 No data available

Bio-accumulative potential Partition coefficient
 No data available.

Propylene glycol 57-55-6

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
1,2-Propylene glycol	EC50: = 19000 mg/L, 96h (Pseudokirchneriella subcapitata)	LC50: = 51600 mg/L, 96h static (Oncorhynchus mykiss) LC50: 41 - 47 mL/L, 96h static (Oncorhynchus mykiss) LC50: = 51400 mg/L, 96h static (Pimephales promelas) LC50: = 710 mg/L, 96h (Pimephales promelas)	= 710 mg/L EC50 Photobacterium phosphoreum 30 min	EC50: > 1000 mg/L, 48h Static (Daphnia magna)

Persistence and Degradability Miscible with water Persistence is unlikely based on information available.

Bioaccumulation/ Accumulation No information available.

Mobility Will likely be mobile in the environment due to its water solubility.

Component log Pow -0.9

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SECTION 13: Disposal considerations
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Spill:

- Contain spilled material.
- Provide adequate ventilation and protective equipment.
- Remove sources of heat, sparks or flames.

Spill should be collected in suitable containers or absorbed on a suitable absorbent material for subsequent disposal.

Waste Disposal:

Waste material should be disposed of in an approved incinerator or in a designated landfill site, in compliance with all federal, provincial and local government regulations.

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SECTION 14: Transport information
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UN number:

UN1987, ALCOHOLS, N.O.S. (ISOPROPANOL)

UN proper shipping name ALCOHOLS, N.O.S. (ISOPROPANOL)

Transport hazard class(es) Primary Class 3 Subsidiary Class: NONE

Packing group (if applicable) II

IMDG

UN-Number: UN 1987 Class: 3 Packing Group: II

EMS-No: F-E, S-D

Proper shipping name:

UN1987, ALCOHOLS, N.O.S. (ISOPROPANOL)

Marine pollutant: No data

IATA

UN-Number: 1219 Class: 3 Packing Group: II

Proper shipping name: ALCOHOLS, N.O.S. (ISOPROPANOL)

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SECTION 15: Regulatory information
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All ingredients are on the following inventories or are exempted from listing:

Country Notification

Australia AICS

Canada DSL

China IECS

European Union EINECS

Japan ENCS/ISHL

Korea ECL

New Zealand NZIoC

Philippines PICCS

USA TSCA

Ingredient TSCA MA SARA313 CALPROP65 CWA307 CAA112 CWA311 SARA302 SARA304
Isopropanol (2-Propanol) Y N Y 1.0 N N N N N N

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SECTION 16: Other information
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Other information

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