



Safety Data Sheet

Antiseptic Nasal Swabs with Ethyl Alcohol

Section 1. Identification

Product Identifier Antiseptic Nasal Swabs with Ethyl Alcohol
Synonyms MDS1971; MDS1972; MDS1998; MDS1999; MDSR1971; MSD_SDS0433
Manufacturer Stock Numbers MDS1971; MDS1972; MDS1998; MDS1999; MDSR1971

Recommended use Topical Nasal Antiseptic
Uses advised against N/A

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3 Lakes Drive
Northfield, IL, 60093
USA

Phone
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Emergency Phone
(800) 424-9300
CHEMTREC

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www.Medline.com

Section 2. Hazards Identification

Classification FLAMMABLE LIQUIDS - Category 2
Signal Word Danger
Pictogram



Hazard Statements	Highly flammable liquid and vapor
Precautionary Statements	
Response	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use Foam, powder, carbon dioxide (CO2), water spray to extinguish
Prevention	Ground/bond container and receiving equipment. Keep away from hot surfaces, open flames, sparks. - No smoking Keep container tightly closed. Take precautionary measures against static discharge. Use explosion-proof electrical equipment Use only non-sparking tools. Wear eye protection, protective gloves
Storage	Store in a well-ventilated place. Keep cool.
Disposal	Dispose of contents/container to an authorized waste collection point

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

CAUTION: This product contains denaturants and is not fit for human consumption. Ingestion may cause severe nausea.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
64-17-5	Ethyl alcohol	52% - 60%
67-63-0	Isopropyl alcohol	2% - 3%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

General:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Inhalation:	If experiencing respiratory symptoms: Assure fresh air breathing. Allow the victim to rest.
Skin Contact:	In case of accidental contact, rinse skin with water/shower.
Eye Contact:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
Ingestion:	Get medical advice/attention if you feel unwell. Rinse mouth. Do NOT induce vomiting.
Most important symptoms and effects, both acute and delayed:	No additional information available

Indication of Any Immediate Medical Attention and Special Treatment Needed: Treat symptomatically.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable Extinguishing Media	Do not use a heavy water stream.
Special hazards arising from the substance or mixture:	Fire hazard: Highly flammable liquid and vapor. Explosion hazard: May form flammable/explosive vapor-air mixture. Reactivity: Stable at ambient temperature and under normal conditions of use.
Advice for firefighters:	Firefighting Instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	General measures: Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.
For non-emergency personnel:	Emergency procedures: Evacuate unnecessary personnel.
For emergency responders:	Protective equipment: Equip cleanup crew with proper protection. Emergency procedures: Ventilate area.
Environmental Precautions:	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
Methods and Materials for Containment and Cleaning up:	Methods for Cleaning Up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
Reference to other sections:	See Heading 8. Exposure controls and personal protection.

Section 7. Handling and Storage

Precautions for safe handling:

Additional hazards when processed: Handle empty containers with care because residual vapors are flammable.

Conditions for safe storage, including any incompatibilities:

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No naked lights. No smoking. Use only non-sparking tools.

Technical measures: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment.

Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Sources of ignition. Keep in fireproof place. Keep container tightly closed. Store according to label instructions.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight. Heat sources.

Storage temperature: Controlled Room Temperature (20 - 25 °C)

Specific End use(s):

No additional information available.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Ethyl alcohol	STEL: 1,000 ppm Note: Upper respiratory track irritation. Confirmed animal carcinogen with unknown relevance to humans.	TWA: 1,000 ppm 1,900mg/mm ³ 29 CFR 1910.1000 Table Z-1 Limits	N/A
	Isopropyl alcohol	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm STEL: 500 ppm	N/A

Personal Protective Equipment

N/A

Appropriate Engineering Controls:

Ensure good ventilation of the work station.

Personal Protective Equipment:

Avoid all unnecessary exposure.

Hand protection:

In case of repeated or prolonged contact wear gloves. Wear protective gloves.

Eye Protection:

Chemical goggles or safety glasses.

Respiratory protection:

Wear appropriate mask.

Other information:

Do not eat, drink or smoke during use.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Colorless to light yellow/Clear
Odor	Characteristic alcohol
Odor Threshold	N.D.
Solubility	N.D.
Partition coefficient Water/n-octanol	N.A.
VOC%	N/A
Viscosity	N.D.
Specific Gravity	N/A
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	18 °C
FP Method	N.D.
pH	4 - 6
Melting Point	N.D.
Boiling Point	92 °C
Boiling Range	N.A.
LEL	N/A
UEL	N/A
Evaporation Rate	N.D.
Flammability	N.D.
Decomposition Temperature	N.D.
Auto-ignition Temperature	N.D.
Vapor Pressure	N.D.
Vapor Density	N.D.

Explosive properties:	Fire or projection hazard.
Oxidizing Properties:	Not classified as oxidizing.
Explosive Limits:	No data available.
Other information:	No additional information available.

Section 10. Stability and Reactivity

Reactivity:	Stable at ambient temperature and under normal conditions of use.
Chemical stability:	Highly flammable liquid and vapor. May form flammable/explosive vapor-air mixture.
Possibility of hazardous reactions:	None under normal use.
Conditions to avoid:	Direct sunlight. Extremely high or low temperatures. Open flame.
Incompatible materials:	Strong acids. Strong bases.
Hazardous decomposition products:	Fumes. Carbon monoxide. Carbon dioxide. May release flammable gases.

Section 11. Toxicological Information

Acute Toxicity:	Ethyl Alcohol CAS No. 64-17-5 LD50 oral rat: 10740 mg/kg body weight (Rat; OECD 401: Acute Oral Toxicity; Experimental value) LD50 dermal rabbit: > 16000 mg/kg (Rabbit; Literature study) ATE US (oral): 10740.000 mg/kg body weight
	Isopropyl alcohol CAS No. 67-63-0 LD50 oral rat: 5045 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 5840 mg/kg bodyweight; Rat) LD50 dermal rabbit: 12870 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 16.4; Rabbit) LC50 inhalation rat (mg/l): 73 mg/l/4h (Rat) ATE US (oral): 5045.000 mg/kg body weight ATE US (dermal): 12870.000 mg/kg body weight ATE US (vapors): 73.000 mg/l/4h ATE US (dust, mist): 73.000 mg/l/4h
Skin corrosion/irritation:	Not a skin irritant. pH: 4 - 6
Serious eye damage/irritation:	Not classified pH: 4 - 6
Sensitization:	Not a skin sensitizer.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive Toxicity:	Not classified.
Specific Target Organ Toxicity - Single Exposure:	Not classified.
Specific Target Organ Toxicity - Repeated Exposure:	Not classified.
Aspiration hazard:	Not classified.

Section 12. Ecological Information

Toxicity:	Ethyl Alcohol CAS No. 64-17-5 LC50 fish 1: 14200 mg/l (96 h; Pimephales promelas) EC50 Daphnia 1: 9300 mg/l (48 h; Daphnia magna) LC50 fish 2: 13000 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) EC50 Daphnia 2: 10800 mg/l (24 h; Daphnia magna) Threshold limit other aquatic organisms 1: 65 mg/l (72 h; Protozoa) Threshold limit algae 1: 1450 mg/l (192 h; Microcystis aeruginosa; Growth rate) Threshold limit algae 2: 5000 mg/l (168 h; Scenedesmus quadricauda; Growth rate)
	Isopropyl Alcohol CAS No. 67-63-0 LC50 fish 1: 4200 mg/l (96 h; Rasbora heteromorpha; Flow-through system) EC50 Daphnia 1: > 10000 mg/l (48 h; Daphnia magna)

Persistence and degradability:

LC50 fish 2: 9640 mg/l (96 h; Pimephales promelas; Lethal)
EC50 Daphnia 2: 13299 mg/l (48 h; Daphnia magna)
Threshold limit algae 1: > 1000 mg/l (72 h; Scenedesmus subspicatus; Growth rate)

Threshold limit algae 2: 1800 mg/l (72 h; Algae; Cell numbers)

Antiseptic Nasal Swabs, Ethyl Alcohol

Persistence and degradability: Not established

Ethyl Alcohol CAS No. 64-17-5

Persistence and degradability: Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.

Biochemical oxygen demand (BOD): 0.8 - 0.967 g O₂/g substance

Chemical oxygen demand (COD): 1.70 g O₂/g substance

ThOD: 2.10 g O₂/g substance

BOD (% of ThOD): 0.43 % ThOD

Isopropyl Alcohol CAS No. 67-63-0

Persistence and degradability: Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test) data on mobility of the substance available.

Biochemical oxygen demand (BOD): 1.19 g O₂/g substance

Chemical oxygen demand (COD): 2.23 g O₂/g substance

ThOD: 2.40 g O₂/g substance

BOD (% of ThOD): 0.49 % ThOD

Bioaccumulative potential:

Antiseptic Nasal Swabs, Ethyl Alcohol

Bioaccumulative potential: Not established

Ethyl Alcohol CAS No. 64-17-5

BCF fish 1: 1 (72 h; Cyprinus carpio)

Log Pow: -0.31 (Experimental value)

Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).

Isopropyl Alcohol CAS No. 67-63-0

Log Pow: 0.05 (Experimental value)

Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).

Mobility in soil:

Ethyl Alcohol CAS No. 64-17-5

Surface tension: 0.022 N/m (20 °C)

Isopropyl Alcohol CAS No. 67-63-0

Surface tension: 0.021 N/m (25 °C)

Section 13. Disposal

Waste treatment methods: Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to an authorized waste collection point.

Additional information: Handle empty containers with care because residual vapors are flammable.

Ecology - waste materials: Avoid release to the environment.

Section 14. Transport Information

UN Number 1170
UN Proper Shipping Name Ethanol solutions
DOT Classification 3
Packing Group II
IMDG - UN Number: 1170
IMDG - UN Proper Shipping Name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
IMDG - Packing Group: II
IMDG - Hazard Class: 3
IATA - UN Number: 1170
IATA - UN Proper Shipping Name: Ethyl alcohol solution
IATA - Packing Group: II
IATA - Hazard Class: 3

Section 15. Regulatory Information

SARA 311/312: Refer to Section 2 of the SDS.
SARA 302: N.A.
SARA 304: N.A.
SARA 313: Isopropyl Alcohol
TSCA: All components are listed or exempt.
CERCLA Hazardous Substance List: N.A.
Clean Air Act (CAA) Section 112, 112 (r): N.A.
New Jersey Right to Know Components: Ethyl Alcohol
Isopropyl Alcohol
Pennsylvania Right to Know Components: Ethanol
2-Propanol
Rhode Island Right to Know Components: Ethyl Alcohol
Isopropyl Alcohol
Massachusetts Right to Know Components: Ethanol

Section 16. Other Information

Revision Date 5/25/2021
Legend: N.A. - Not Applicable
N.E. - Not Established
N.D. - Not Determined

Additional Information:

The information contained herein is furnished without warranty or legal responsibility of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.