



SAFETY DATA SHEET

Microsan Encore Foaming Alcohol Handrub

1. Identification

Product identifier

Product name Microsan Encore Foaming Alcohol Handrub

Product number 804,805,807,ENC1TF,808

Recommended use of the chemical and restrictions on use

Application Hand sanitizer.

Details of the supplier of the safety data sheet

Supplier Deb Canada
42 Thompson Road West
Waterford
Ontario
N0E 1Y0

Manufacturer DEB Worldwide Healthcare Inc
76 Adams Boulevard
Brantford
Ontario
N3S 7V2

Telephone: 519-759-1051

Fax: 519-759-6384

Emergency telephone number

Emergency telephone CANUTEC 613-996-6666 (24 hours)

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

Environmental The product contains a substance which has a photochemical ozone creation potential.

Physicochemical The product is highly flammable. Vapors may form explosive mixtures with air.

Label elements

Hazard statements NC Not Classified

Other hazards

Flammable liquid and vapor.

3. Composition/information on ingredients

Microsan Encore Foaming Alcohol Handrub

Mixtures

ETHANOL	60-100%
CAS number: 64-17-5	REACH registration number: 01-2119457610-43-XXXX
Classification	
Flam. Liq. 2 - H225	
Eye Irrit. 2A - H319	
PROPAN-1-OL	10-30%
CAS number: 71-23-8	REACH registration number: 01-2119486761-29-XXXX
Classification	
Flam. Liq. 2 - H225	
Eye Dam. 1 - H318	
STOT SE 3 - H336	

The Full Text for all Hazard Statements are Displayed in Section 16.

Composition comments	Alcohol Denat. Aqua Propyl Alcohol Bis-PEG 12 Dimethicone Coco-Glucoside Glyceryl Oleate PEG-200 Hydrogenated Glyceryl Palmate PEG-7 Glyceryl Cocoate Behentrimonium Chloride Dihydroxypropyl PEG-5 Linoleammonium Chloride
-----------------------------	--

4. First-aid measures

Description of first aid measures

General information	Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion	DO NOT induce vomiting. Get medical attention immediately.
Skin Contact	Remove contaminated clothing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Most important symptoms and effects, both acute and delayed

Inhalation	No specific symptoms known.
Ingestion	May cause nausea, headache, dizziness and intoxication.
Skin contact	None known.
Eye contact	May cause severe eye irritation.

Indication of immediate medical attention and special treatment needed

Microsan Encore Foaming Alcohol Handrub

Notes for the doctor No specific recommendations.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

Special hazards arising from the substance or mixture

Specific hazards FLAMMABLE. Forms explosive mixtures with air.

Hazardous combustion products Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m³. Oxides of carbon.

Advice for firefighters

Protective actions during firefighting Fight fire from safe distance or protected location. Containers close to fire should be removed or cooled with water.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Take precautionary measures against static discharges. No smoking, sparks, flames or other sources of ignition near spillage. Wear suitable protective clothing as protection against splashing or contamination. Avoid inhalation of vapors and contact with eyes

Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material.

Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Wash thoroughly after dealing with a spillage. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

Reference to other sections For personal protection, see Section 8.

7. Handling and storage

Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

ETHANOL

Long-term exposure limit (8-hour TWA): OSHA 1000 ppm 1900 mg/m³

PROPAN-1-OL

Microsan Encore Foaming Alcohol Handrub

Long-term exposure limit (8-hour TWA): OSHA 200 ppm 500 mg/m³

OSHA = Occupational Safety and Health Administration.

ETHANOL (CAS: 64-17-5)

DNEL	Professional - Inhalation; local effects: 1900 mg/m ³ Professional - Dermal; Long term systemic effects: 343 mg/kg/day Professional - Inhalation; Long term systemic effects: 950 mg/m ³ Consumer - Inhalation; local effects: 950 mg/m ³ Consumer - Dermal; Long term systemic effects: 206 mg/kg/day Consumer - Inhalation; Long term systemic effects: 114 mg/m ³ Consumer - Oral; Long term systemic effects: 87 mg/kg/day
PNEC	- Marine water; 0.79 mg/l - Fresh water; 0.96 mg/l - Intermittent release; 2.75 mg/l - STP; 580 mg/l - Sediment (Freshwater); 3.46 mg/kg - Sediment (Marinewater); 2.9 mg/l - Soil; 0.63 mg/kg
Immediate danger to life and health	3300 ppm

PROPAN-1-OL (CAS: 71-23-8)

DNEL	Industry - Dermal; Long term systemic effects: 136 mg/kg/day Industry - Inhalation; Short term systemic effects: 1723 mg/m ³ Consumer - Inhalation; Long term systemic effects: 80 mg/m ³ Consumer - Oral; Long term systemic effects: 61 mg/m ³ Consumer - Dermal; Long term systemic effects: 81 mg/kg/day Consumer - Inhalation; Short term systemic effects: 1036 mg/m ³ Industry - Inhalation; Long term systemic effects: 268 mg/m ³
PNEC	- Marine water; 1 mg/l - Sediment (Freshwater); 22.8 mg/kg - STP; 96 mg/l - Soil; 2.2 mg/kg - Fresh water; 10 mg/l - Sediment (Marinewater); 2.28 mg/kg - Intermittent release; 10 mg/l
Immediate danger to life and health	800 ppm

COCO-GLUCOSIDE (CAS: 68515-73-1)

DNEL	Workers - Inhalation; Long term systemic effects: 420 mg/m ³ Workers - Dermal; Long term systemic effects: 595000 mg/kg/day General population - Inhalation; Long term systemic effects: 124 mg/m ³ General population - Dermal; Long term systemic effects: 357000 mg/kg/day General population - Oral; Long term systemic effects: 35.7 mg/kg/day
PNEC	- Fresh water; 0.176 mg/l - Marine water; 0.0176 mg/l - Intermittent release; 0.27 mg/l - STP; 560 mg/l - Sediment (Freshwater); 1.516 mg/kg - Sediment (Marinewater); 0.152 mg/kg - Soil; 0.654 mg/kg

Exposure controls

Protective equipment



Appropriate engineering controls

Not relevant.

Microsan Encore Foaming Alcohol Handrub

Eye/face protection	Not required normally but wear eye protection if you are conducting an operation where there is a risk of this product getting in the eyes.
Hand protection	Not applicable.
Hygiene measures	DO NOT SMOKE IN WORK AREA! Promptly remove any clothing that becomes contaminated.
Respiratory protection	Not relevant.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Clear liquid.
Color	Colorless.
Odor	Alcoholic.
pH	pH (concentrated solution): 5.0-7.5
Melting point	Not Applicable°C
Initial boiling point and range	78°C @
Flash point	21°C TCC (Tag closed cup).
Evaporation rate	1.4 (water =1)
Vapour pressure	Not Available @ °C
Vapour density	Not available
Relative density	0.845-0.854 g/mL @ °C
Other information	None.
Volatility	70-80
Volatile organic compound	This product contains a maximum VOC content of 70-80% .

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	No particular stability concerns.
Possibility of hazardous reactions	Not known.
Conditions to avoid	Avoid heat, flames and other sources of ignition.
Materials to avoid	Oxidising Agents Aluminium
Hazardous decomposition products	Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m3. Oxides of carbon.

11. Toxicological information

Information on toxicological effects

Toxicological effects	No data recorded.
------------------------------	-------------------

Microsan Encore Foaming Alcohol Handrub

General information	No specific health hazards known.
Inhalation	No specific health hazards known.
Ingestion	May cause nausea, headache, dizziness and intoxication.
Skin Contact	Skin irritation should not occur when used as recommended.
Eye contact	Causes eye irritation

12. Ecological Information

Ecotoxicity The product is not expected to be toxic to aquatic organisms.

Persistence and degradability

Persistence and degradability The product is biodegradable.

Bioaccumulative potential

Bio-Accumulative Potential The product is not bioaccumulating.

Mobility in soil

Mobility The product is soluble in water.

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Other adverse effects

Other adverse effects None known.

13. Disposal considerations

Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be considered. Wear suitable protective clothing as protection against splashing or contamination.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

UN Number

UN No. (DOT) 1987

UN No. (IMDG) 1987

UN No. (ICAO) 1987

UN proper shipping name

Proper shipping name (DOT) ALCOHOLS, N.O.S.

Proper shipping name (IMDG) ALCOHOLS, N.O.S.

Proper shipping name (ICAO) ALCOHOLS, N.O.S.

Transport hazard class(es)

DOT hazard class 3

Microsan Encore Foaming Alcohol Handrub

DOT hazard label	Flammable Liquid
TDG class	3
TDG label	3
IMDG Class	3
ICAO class/division	3

Transport labels



Packing group

DOT pack group	II
IMDG packing group	II
ICAO packing group	II

Special precautions for user

EmS	F-E, S-D
------------	----------

15. Regulatory information

Regulatory Status	This product is exempt from WHMIS labelling requirements as it is regulated under other federal legislation (ie. Health Canada). This product is manufactured and labeled in compliance with the Canadian Food and Drug Regulations. Product is classified in accordance with the hazard criteria of CPR. This product is manufactured and labeled in compliance with the Cosmetic Program under Health Canada and is actually exempt from WHMIS Regulation.
--------------------------	--

16. Other information

Revision comments	New SDS Software Revision of information
Revision date	7/17/2015
Revision	5
Supersedes date	9/25/2014
SDS No.	11223
Signature	Deb Worldwide Healthcare Inc.
Hazard statements in full	H319 Causes serious eye irritation. H225 Highly flammable liquid and vapor. H336 May cause drowsiness or dizziness.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.