



**MATERIAL SAFETY DATA SHEET**  
**Microsan Encore**

**1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**PRODUCT NAME** Microsan Encore  
**PRODUCT NO.** 807, 805, 804, ENC1TF  
**CONTACT PERSON** DEB R&D group  
**EMERGENCY TELEPHONE** 613-996-6666  
**CONTAINER SIZE** 50 mL 400 mL 1L  
**IDENTIFICATION No.** 1987

**2 HAZARDS IDENTIFICATION**

Flammable liquid and vapor.

**ENVIRONMENT**

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

**PHYSICAL AND CHEMICAL HAZARDS**

The product is highly flammable, and explosive vapors/air mixtures may be formed even at normal room temperatures.

**POTENTIAL HEALTH EFFECTS**

**GENERAL INFORMATION**

No specific health warnings noted.

**INHALATION**

No specific health warnings noted.

**INGESTION**

May cause nausea, headache, dizziness and intoxication.

**SKIN CONTACT**

Skin irritation is not anticipated when used normally.

**EYE CONTACT**

Causes eye irritation

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Weight
ETHANOL	200-578-6	64-17-5	60-100%
PROPAN-1-OL	200-746-9	71-23-8	10-30%

**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**

**GENERAL INFORMATION**

Get medical attention if any discomfort continues.

**NOTES TO THE PHYSICIAN**

No specific first aid measures noted.

**Microsan Encore**

**INHALATION**

General first aid, rest, warmth and fresh air.

**INGESTION**

DO NOT induce vomiting. Get medical attention immediately.

**SKIN CONTACT**

Remove contaminated clothing.

**EYE CONTACT**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

**5 FIRE-FIGHTING MEASURES**

**EXTINGUISHING MEDIA**

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

**SPECIAL FIRE FIGHTING PROCEDURES**

If possible, fight fire from protected position. Containers close to fire should be removed immediately or cooled with water.

**UNUSUAL FIRE & EXPLOSION HAZARDS**

FLAMMABLE. Forms explosive mixtures with air.

**FLASH POINT (°C)** 23 TCC (Tag closed cup).

**6 ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS**

Take precautionary measures against static discharges. Do not smoke, use open fire or other sources of ignition. Wear suitable protective clothing as protection against splashing or contamination. Avoid inhalation of vapors and contact with skin and eyes.

**ENVIRONMENTAL PRECAUTIONS**

Do not discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material.

**SPILL CLEAN UP METHODS**

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wash thoroughly after dealing with a spillage. Absorb spillage with non-combustible, absorbent material. Collect in containers and seal securely.

**7 HANDLING AND STORAGE**

**HANDLING**

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

**STORAGE**

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

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
ETHANOL	ACGIH	1000 ppm				A4
ETHANOL	PEL	1000 ppm	1900 mg/m3			
PROPAN-1-OL	ACGIH	100 ppm				A4
PROPAN-1-OL	PEL	200 ppm	500 mg/m3			
COMPONENT						IDLH
ETHANOL						3300 ppm
PROPAN-1-OL						800 ppm

ACGIH=American Conference of Governmental Industrial Hygienists.

A4: Not Classifiable as a Human Carcinogen.

**PROTECTIVE EQUIPMENT**

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**ENGINEERING MEASURES**

Not relevant

**RESPIRATORY EQUIPMENT**

Not relevant

**HAND PROTECTION**

Not applicable

**EYE PROTECTION**

Wear eye protection if there is a risk of this product getting in the eyes.

**HYGIENE MEASURES**

DO NOT SMOKE IN WORK AREA! Promptly remove any clothing that becomes contaminated.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE</b>	Clear liquid.
<b>COLOR</b>	Colourless.
<b>ODOR</b>	Odor of alcohol.
<b>BOILING POINT (°C)</b>	78
<b>MELTING POINT (°C)</b>	Not Applicable
<b>RELATIVE DENSITY</b>	0.84-0.89 g/ml <sup>3</sup>
<b>VAPOR DENSITY (air=1)</b>	Not available
<b>VAPOR PRESSURE</b>	Not Available
<b>EVAPORATION RATE</b>	1.4 (water =1)
<b>VOLATILE BY VOL. (%)</b>	70-80
<b>pH-VALUE, CONC. SOLUTION</b>	5.0-7.5
<b>FLASH POINT (°C)</b>	23 TCC (Tag closed cup).
<b>VOLATILE ORGANIC CONTENT</b>	70-80%

**10 STABILITY AND REACTIVITY****STABILITY**

No particular stability concerns.

**CONDITIONS TO AVOID**

Avoid heat, flames and other sources of ignition.

**MATERIALS TO AVOID**

Oxidising Agents Aluminium

**HAZARDOUS DECOMPOSITION PRODUCTS**During fire, toxic gases (CO, CO<sub>2</sub>) are formed.**11 TOXICOLOGICAL INFORMATION****TOXICOLOGICAL INFORMATION**

No data recorded.

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

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

**MOBILITY**

The product is soluble in water.

**BIOACCUMULATION**

Will not bio-accumulate.

**DEGRADABILITY**

The product is biodegradable.

**13 DISPOSAL CONSIDERATIONS**

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**WASTE MANAGEMENT**

Only experts should be permitted to carry out disposal of this material. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Wear suitable protective clothing as protection against splashing or contamination.

**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION**



<b>DOT PROPER SHIPPING NAME</b>	ALCOHOLS, N.O.S.
<b>TDG SHIPPING NAME</b>	ALCOHOLS, N.O.S.
<b>IDENTIFICATION No.</b>	1987
<b>TUNNEL RESTRICTION CODE</b>	(D/E)
<b>CEFIC TEC(R) NO.</b>	30GF1-I+III
<b>DOT HAZARD CLASS</b>	3
<b>DOT PACKING GROUP</b>	II
<b>U.S DOT HAZARD LABEL</b>	Flammable Liquid
<b>UN NO. SEA</b>	1987
<b>IMDG CLASS</b>	3
<b>IMDG PACK GR.</b>	II
<b>EMS</b>	F-E, S-D
<b>UN NO. AIR</b>	1987
<b>ICAO CLASS</b>	3
<b>AIR PACK GR.</b>	II
<b>TDG CLASS</b>	3
<b>TDG LABEL(S)</b>	3
<b>TDG PACKING GROUP</b>	II

**15 REGULATORY INFORMATION**

**WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM -WHMIS**

LABEL(S) FOR SUPPLY



Flammable Liquid.

**16 OTHER INFORMATION**

**HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)**

HEALTH		1
FLAMMABILITY		3
PHYSICAL		0
PERSONAL PROTECTION		N/A.

**REVISION COMMENTS**

New MSDS Software

**REVISION DATE**

09/26/2011

## Microsan Encore

**VERSION No.**

**1**

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