

**MATERIAL SAFETY DATA SHEET**  
**EMULSOGEN LS 24 GEL**

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Substance key: KSH102083  
Version : 1 - 3 / USARevision Date: 08/07/2008  
Date of printing :08/10/2008**Section 01 - Product Information****Identification of the company:**Clariant Corporation  
4000 Monroe Road  
Charlotte, NC, 28205  
Telephone No.: +1 704-331-7000**Information of the substance/preparation:**Functional Chemicals  
Product Safety 1-704-331-7710**Emergency tel. number:** +1 800-424-9300(CHEMTREC)**Trade name:****EMULSOGEN LS 24 GEL****Synonyms:**

Product has no Synonyms

**Chemical family:**

alkyl polyglycoether carboxymethylated, anionic

**Section 02 - Composition information on hazardous ingredients****Hazardous ingredients:**

Component	CAS-no. (Trade secret no.)	Concentration
Emulsogen LS-24 Gel		100 %

**Section 03 - Hazards identification****Expected Route of entry:**

<b>Inhalation:</b>	no
<b>Skin contact:</b>	yes
<b>Eye contact:</b>	yes
<b>Ingestion:</b>	no
<b>Skin absorption:</b>	no

**Health effects of exposure:**

Emulsogen LS 24 Gel

The product was tested and found to be non-mutagenic under the ames test. In additional testing, this product was classified as a non-sensitizer to guinea pig skin. Acute dermal toxicity testing was also performed and the acute dermal LD50(rat) was greater than 2,000 mg/kg. Found to be a moderate skin irritant and a mild eye irritant when tested on rabbit skin and eyes.

**Known effects on other illnesses:**

No known effects on other illnesses for this product.

**Listed carcinogen:**IARC: No  
NTP: No  
OSHA: No  
Other: No

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Health: 1

Flammability: 1

Reactivity: 0

Personal protection: B

**Section 04 - First aid measures****After inhalation:**

Get victim to fresh air. Give artificial respiration or oxygen if breathing has stopped. Get prompt medical attention. Do not give fluids if victim is unconscious.

**After contact with skin:**

Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.

**After contact with eyes:**

Immediately flush eyes with running water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek prompt medical attention if redness or irritation occurs.

**After ingestion:**

If ingested, seek medical assistance immediately.

**Advice to doctor / Treatment:**

None known.

**Section 05 - Fire fighting measures**

**Flashpoint:** no flash point up to the boiling point

**Hazardous combustion products:**

carbon oxides

**Extinguishing media:** all

**Special fire fighting procedure:**

None known

**Unusual fire and explosion hazards:** None known.

**Section 06 - Accidental release measures****Steps to be taken in case of spill or leak:**

Contain spill. Small spills may be flushed to the sewer or absorbed on suitable absorbants. Larger spills should be collected as liquid or absorbed. Clean-up may be accomplished by flushing with water if appropriate or remove contaminated soils. place in appropriate containers.

**Section 07 - Handling and storage****Advice on safe handling:**

Avoid getting on skin or in eyes when handling product.

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Keep containers closed.

**Section 08 - Exposure controls / personal protection**

<b>Respiratory protection:</b>	If airborne concentrations pose a health hazard, become irritating or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134
<b>Hand protection:</b>	Butyl Rubber, PVC Or Neoprene.
<b>Eye protection:</b>	Safety glasses or chemical splash goggles.
<b>Other protective equipment:</b>	None known
<b>Advice on system design:</b>	Local ventilation recommended - mechanical ventilation may be used.
<b>IDLH:</b>	Not Determined

**Section 09 - Physical and chemical properties**

<b>Form:</b>	paste
<b>Color:</b>	colourless
<b>Odor:</b>	yes
<b>pH:</b>	7 - 8 (20 °C)
<b>Solubility in water:</b>	(20 °C) miscible
<b>Density:</b>	1.06 g/cm <sup>3</sup> (20 °C, 1,013 hPa)
<b>Melting point :</b>	not applicable
<b>Boiling point :</b>	app. 212 °F ( 1,013 hPa)

**Section 10 - Stability and reactivity**

<b>Chemical stability:</b>	Stable.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to avoid:</b>	None known.

**Section 11 - Toxicological information**

<b>Product information:</b>	
<b>Acute oral toxicity:</b>	LD50 > 3,200 mg/kg (rat) Method: SANDOZ internal test

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<b>Acute oral toxicity:</b>	LD50 > 5,000 mg/kg (rat) Method: OECD 401 * 1987 acute tox.oral
<b>Acute dermal toxicity:</b>	LD50 > 2,000 mg/kg (Rats (Male/Female)) Method: OECD 402 * 1987 acute tox.dermal
<b>Acute dermal toxicity:</b>	LD50 > 2,000 mg/kg (rat) Method: OECD 402 * 1987 acute tox.dermal
<b>Skin irritation:</b>	Moderate irritant (rabbit)
<b>Eye irritation:</b>	Mildly irritating (rabbit)

**Section 12 - Ecological information****Product information:**

<b>Biodegradation:</b>	43 % (28 d, DOC) Method: OECD 301E * 1981 Mod. OECD screening test (ready)
<b>Biodegradation:</b>	93 % (19 d, BIAS) Method: OECD 301E * 1981 Mod. OECD screening test (ready)
<b>Daphnia toxicity:</b>	EC0 > 1 mg/l (24 h, daphnia magna (water flea)) Method: OECD 202.I  EC50 8.4 mg/l (24 h, daphnia magna (water flea)) Method: OECD 202.I  EC100 < 100 mg/l (24 h, daphnia magna (water flea)) Method: OECD 202.I
<b>Bacteria toxicity:</b>	IC50 10 - 100 mg/l (activated sludge) Method: ETAD method 103

**Section 13 - Disposal considerations****Waste disposal information:**

Small quantities may be treated in aerobic wastewater treatment systems. Larger quantities may be incinerated or landfilled after solidification in permitted systems.

**RCRA hazardous waste:**

No -- Not as sold.  
RCRA number: NONE

**Section 14 - Transport information**

<b>DOT</b>	not restricted
<b>IATA</b>	not restricted
<b>IMDG</b>	not restricted

**Section 15 - Regulatory information**

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All components of this product are listed on the TSCA Inventory.

**SARA (section 311/312):**

Reactive hazard:	no
Pressure hazard:	no
Fire hazard:	no
Immediate/acute:	yes
Delayed/chronic:	no

**SARA 313 information:**

This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

**Clean Water Act:**

Contains no known priority pollutants at concentrations greater than 0.1%.

**Volatile organic compounds VOC:**

Remarks: Not Available

**FDA:**

This product is not registered with the FDA.

**Section 16 - Other information****Other precautions:**

None Known

**Label information:**

CAUTION!

CAUSES SKIN IRRITATION

Avoid contact with skin, eyes, and clothing. Wash immediately from skin and wash thoroughly after handling. Use with adequate ventilation and/or proper respiratory protection. Wear proper protective equipment. Keep container closed when not in use.

Eye contact: flush with water for at least 15 minutes while holding eyelids open. Seek immediate medical attention. Skin contact: wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention. Wash contaminated clothing before reuse. Ingestion: seek medical attention immediately. Inhalation: remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if respiratory irritation continues.

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to

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