

**MATERIAL SAFETY DATA SHEET**  
**FADEX JM LIQ**

 Substance key: KS14231  
 Version : 3 - / USA

 Revision Date: 02/12/2007  
 Date of printing :08/28/2007

**Section 01 - Product Information**

<b>Identification of the company:</b>	Clariant Corporation 4000 Monroe Road Charlotte, NC, 28205 Telephone No.: +1 704 331 7000
	<b>Information of the substance/preparation:</b> Product Safety 1-704-331-7710
	<b>Emergency tel. number:</b> +1 800-424-9300 CHEMTREC

<b>Trade name:</b>	<b>FADEX JM LIQ</b>
<b>Material number:</b>	101085
<b>Synonyms:</b>	Product Has No Synonyms
<b>Chemical family:</b>	benzotriazole derivative nonionic
<b>Primary product use:</b>	Textile auxiliary

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

## Hazardous ingredients:

Component	CAS-no. (Trade secret no.)	Concentration
Ethoxylated Alcohols		1 - 5 %

**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>	yes
	<b>Skin absorption:</b>	no

## Health effects of exposure:

Ethoxylated Alcohol

Some ethoxylated alcohols have been known to cause eye and skin irritation. Ingestion may cause gastrointestinal irritation, diarrhea, nausea and vomiting.

<b>Known effects on other illnesses:</b>	No known effects on other illnesses for this product.
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<b>Listed carcinogen:</b>	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

**Lower explosion limit:** not determined

**Upper explosion limit:** not determined

**Ignition temperature:** not determined

**Hazardous combustion products:**

carbon oxides  
hydrogen chloride  
nitrogen oxides  
sulfur oxides

**Extinguishing media:** all

**Special fire fighting procedure:**

Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus and full protective clothing.

**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 absorbents. Larger spills should be collected as liquid or absorbed. Clean-up may be accomplished by

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flushing with water if appropriate or remove contaminated soils. place in appropriate containers.

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

Avoid breathing vapors and contact with skin, eyes, and clothing.

**Further info on storage conditions:**

Keep containers closed.

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

<b>Respiratory protection:</b>	None required in normal use of product.
<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>	liquid
<b>Color:</b>	white yellowish
<b>Odor:</b>	yes
<b>pH:</b>	5 - 6 (20 °C)
<b>Solubility in water:</b>	(20 °C) miscible
<b>Density:</b>	1.1 g/cm <sup>3</sup> (20 °C, 1,013 hPa)
<b>Melting point :</b>	not applicable
<b>Boiling point :</b>	app. 212 °F

**Section 10 - Stability and reactivity**

<b>Chemical stability:</b>	Stable.
<b>Hazardous Polymerization:</b>	Will not occur. Conditions to avoid: None known.
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**Acute oral toxicity:** LD50 > 5,000 mg/kg (rat)  
Method: test result of a higher concentrated product

**Skin irritation:** Non-irritating (rabbit)  
Method: test result of a higher concentration product

**Eye irritation:** Non-irritating (rabbit)  
Method: test result of a higher concentration product

**Sensitization:** None (Guinea pig)  
Method: OECD 406 \* 1981 Buehler test

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

**Biodegradation:** < 10 % (28 d, DOC)  
Little or no biodegradation  
Method: OECD 301E \* 1981 Mod. OECD screening test (ready)

**Fish toxicity:** LC50 > 100 mg/l (96 h, guppy)  
Method: OECD 203 \* 1992 limit test

**Daphnia toxicity:** EC50 > 1,000 mg/l (24 h, daphnia magna (water flea))  
Method: OECD 202.1

**Bacteria toxicity:** IC50 > 100 mg/l (activated sludge)  
Method: ETAD method 103

**Chemical oxygen demand (COD):** 810 mg/g  
Method: SANDOZ internal test

**Remarks:**

Product contains organic halogen, may contribute to AOX value

**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.

**Section 14 - Transport information**

**DOT** not restricted

**IATA** not restricted

**IMDG** not restricted

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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:**

Content VOC (weight-%):	1.3 %
Method:	EPA Method 24

**FDA:**

This product has not been evaluated for FDA regulatory requirements.

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None Known**Label information:**

CAUTION!

INHALATION MAY CAUSE IRRITATION OF RESPIRATORY TRACT. MAY CAUSE GASTROINTESTINAL DISTURBANCES IF INGESTED.

Avoid breathing fumes, vapors, mists, or spray. Avoid contact with skin, eyes and clothing. Do not swallow. Use with adequate ventilation and/or approved respiratory protection. Wear proper protective equipment. Wash thoroughly after handling. Keep container closed when not in use.

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

**NFPA:**

Health: 1

Flammability: 1

Reactivity: 0

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 be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications. (R) and TM indicate trademarks of Clariant AG, its business partners or suppliers.