

MATERIAL SAFETY DATA SHEET

Ceranine KA Liquid

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Substance key: CLTCERNAN-KA
Version : 1 - 1 / USA

Revision Date: 11/15/2006
Date of printing :04/03/2007

Section 01 - Product Information

Information of the substance/preparation:

Textile, Leather, and Paper Chemicals
Product Safety 1-704-331-7710

Emergency tel. number: +1 800-424-9300 CHEMTREC

Trade name: Ceranine KA Liquid
Material number: 100003818
Formula: Proprietary
Primary product use: Textile Auxiliary Chemical
Chemical family: Fatty Acid Derivative, Cationic

Section 02 - Composition information on hazardous ingredients

Hazardous ingredients:

Component	CAS-no. (Trade secret no.)	Concentration
Acetic acid	64-19-7	1 - 5 %
Ethoxylated Alcohols		1 - 5 %

Section 03 - Hazards identification

Expected Route of entry:

Inhalation: yes
Skin contact: yes
Eye contact: yes
Ingestion: yes
Skin absorption: no

Health effects of exposure:

Acetic Acid (64-19-7)

Acetic Acid: Concentrated acid produces severe injury to all living tissue. The reactions are similar to those, which are associated with other highly corrosive compounds. Causes severe burns of the skin which may result in extensive areas of damage. Underlying structures may be involved. Delayed effects may include infection, scarring, and prolonged periods of recuperation. Death may accompany burns over major portions of the body surface. May cause severe burns and destruction of the eye and surrounding structures. Vapors and mists are highly corrosive to mucous membranes of the airway, producing irritation, reddening and edema. Bronchitis, pulmonary edema and chemical pneumonitis may occur. The post-acute phase may be complicated by infection and scarring of tissues. Death may occur. Ingestion

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leads to burns of the lining mucous membranes and deeper structures. There may be pain, vomiting, hemorrhage, and perforation of organs. Obstruction may occur promptly as a consequence of residual scar formation. Repeated or prolonged contact with acetic acid may cause darkening and irritation of skin, erosion of exposed teeth, and chronic inflammation of the respiratory system. Mixed in-vitro mutagenicity results reported. Positive results are thought to be due to artifacts caused by acidification of the culture media. No reproductive results found after animal testing on pregnant rabbits, rats and mice.

Ethoxylated Alcohol

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

Known effects on other illnesses:

No known effects on other illnesses for this product.

Listed carcinogen:

IARC: No
NTP: No
OSHA: No
Other: No

HMIS:

Health: 1

Flammability: 1

Reactivity: 0

Personal protection: C

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:

Remove contaminated clothing without delay. Immediately wash the skin with soap and water for at least 15 minutes under a safety shower. If redness or 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: not determined

Lower explosion limit: not determined

Upper explosion limit: not determined

Ignition temperature: not determined

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Hazardous combustion products:

Thermal decomposition may produce oxides of carbon, nitrogen and sulfur.

Extinguishing media:

water
Alcohol resistant foam
carbon dioxide
Dry Chemical
Water / Fog Spray

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 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:

Store in original container. Keep tightly sealed.
Store in a cool, dry, well-ventilated area.

Section 08 - Exposure controls / personal protection

Occupational exposure limits:

Component	CAS number:	Regulatory list	Type of value	Value 1	Value 2
ACETIC ACID	64-19-7	US ACGIH Threshold Limit Values Data	Time Weighted Average (TWA):	10 ppm	
ACETIC ACID	64-19-7	US ACGIH Threshold Limit Values Data	Short Term Exposure Limit (STEL):	15 ppm	
ACETIC ACID	64-19-7	US OSHA Table Z- 1-A Data	Time Weighted Average (TWA):	10 ppm	25 mg/m3

Respiratory protection:

None required under normal use. Use NIOSH approved respiratory protection where exposure levels exceed regulatory limits for particulate matter.

Hand protection:

Butyl Rubber, PVC Or Neoprene.

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Eye protection: Chemical splash goggles.
Other protective equipment: Clothing suitable to prevent skin contact.
Advice on system design: Local ventilation recommended - mechanical ventilation may be used.

IDLH:

Not Determined

Section 09 - Physical and chemical properties

Form: emulsion
Color: milky white
Odor: Mild odor.
pH: 2.5 - 3.5
Solubility in water: miscible
Density: approx. 1 g/cm³

Section 10 - Stability and reactivity

Chemical stability: Stable.
Hazardous Polymerization: Will not occur.
Conditions to avoid: None known.
Conditions to avoid: None known.

Section 11 - Toxicological information

Product information:
Acute oral toxicity: LD50 (rat)
not determined
Skin irritation: Not tested
Eye irritation: Not tested

Section 12 - Ecological information

Product information:
Chemical oxygen demand (COD): 108 mg/g
Biological oxygen demand (BOD): 57 mg/g

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Remarks:

No data available.

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

Section 15 - Regulatory information

TSCA Status:

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-%): 7 %
Method: calculated

CERCLA information:

Component	CAS-no. (Trade secret no.)	Percentage	RQ
ACETIC ACID	64-19-7	1 - 5 %	5,000 LBS

FDA:

This product has not been evaluated for FDA regulatory requirements.

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Section 16 - Other information

Other precautions:

Avoid inhalation of this product in mist or aerosol forms.

Label information:

CAUTION!

MAY CAUSE IRRITATION TO EYES AND SKIN MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT. MAY CAUSE GASTROINTESTINAL DISTURBANCES IF INGESTED.

Avoid breathing mist or vapor. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Wear proper protective equipment. 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: do not induce vomiting. Seek immediate medical assistance.

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.