



Specialized in chemicals

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Material Safety Data Sheet

Cetareth MSDS

Section 1: Chemical Product and Company Identification

Product details:Cetareth

Contact Information:

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Section 2: Composition and Information on Ingredients

CHEMICAL NAME CAS NO. Wt%

Fatty alcohol polyoxyethylene ether 68439-49-6 99.9

Section 3: Hazards Identification

Hazards type: Non-hazards

Human health hazards:

The steam pressure of the product is low,so there is no inhalation hazards.

Combustion hazards: combustible, non irritating

Section 4: First Aid Measures

EYE CONTACT:

Get medical attention. Immediately flush eye with water for at least 15 minutes while holding eyelids open.

SKIN CONTACT

Immediately wash with plenty of soap and water. If symptoms develop, seek medical advice.

INGESTION

Get medical attention. Do not induce vomiting without medical advice. If conscious, washout mouth and give water to drink. If reflexive vomiting occurs, rinse mouth and repeat administration of water.

INHALATION

Remove to fresh air, treat symptomatically. If symptoms develop, seek medical advice.

Section 5: Fire and Explosion Data

FLASH POINT : >150 °C

EXTINGUISHING MEDIA

Foam Carbon dioxide Dry powder Other extinguishing agent suitable for Class B fires For large fires, use water spray or fog, thoroughly drenching the burning material. Water mist may be used to cool closed containers.

UNSUITABLE EXTINGUISHING MEDIA

Do not use water unless flooding amounts are available.

FIRE AND EXPLOSION HAZARD

Low Fire Hazard; liquids may burn upon heating to temperatures at or above the flash point. Empty product containers may contain product residue. Do not pressurize, cut, heat, weld, or expose containers to flame or other sources of ignition. May evolve oxides of carbon (COx) under fire conditions.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING

In case of fire, wear a full face positive-pressure self contained breathing apparatus and protective suit.

Section 6: Accidental Release Measures

PERSONAL PRECAUTIONS

Restrict access to area as appropriate until clean-up operations are complete. Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection). Stop or reduce any leaks if it is safe to do so. Ventilate spill area if possible. Remove sources of ignition.

METHODS FOR CLEANING UP

SMALL SPILLS: Soak up spill with absorbent material. Place residues in a suitable, covered, properly

labeled container. Wash affected area. **LARGE SPILLS:** Contain liquid using absorbent material, by digging trenches or by diking. Reclaim into recovery or salvage drums or tank truck for proper disposal. Clean contaminated surfaces with water or aqueous cleaning agents. Contact an approved waste hauler for disposal of contaminated recovered material. Dispose of material in compliance with regulations indicated in Section 13 (Disposal Considerations).

ENVIRONMENTAL PRECAUTIONS

Prevent material from entering sewers or waterways.

Section 7: Handling and Storage

HANDLING

Do not get in eyes, on skin, on clothing. Do not take internally. Use with adequate ventilation. Do not breathe vapors/gases/dust. Keep the containers closed when not in use. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Ensure all containers are labelled.

STORAGE CONDITIONS

Store in suitable labelled containers. Store the containers tightly closed. Store separately from oxidizers. Store away from heat and sources of ignition. Protect product from freezing.

Section 8: Exposure Controls/Personal Protection

OCCUPATIONAL EXPOSURE LIMITS

This product does not contain any substance that has an established exposure limit.

ENGINEERING MEASURES

General ventilation is recommended.

PERSONAL PROTECTION

GENERAL ADVICE

The use and choice of personal protection equipment is related to the hazard of the product, the workplace and the way the product is handled. In general, we recommend as a minimum precaution that safety glasses with side-shields and workclothes protecting arms, legs and body be used. In addition any person visiting an area where this product is handled should at least wear safety glasses with side-shields.

RESPIRATORY PROTECTION

At ambient temperature none needed for vapour. If product is heated or if aerosol generation is likely, the use of a half face filter mask is recommended. An organic vapor cartridge with dust/mist prefilter may be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

HAND PROTECTION

Nitrile gloves, Butyl gloves, Neoprene gloves, PVC gloves

SKIN PROTECTION

See general advice.

EYE PROTECTION

Wear chemical splash goggles.

HYGIENE RECOMMENDATIONS

Use good work and personal hygiene practices to avoid exposure. Consider the provision in the work area of a safety shower and eyewash. Always wash thoroughly after handling chemicals. When handling this product

never eat, drink or smoke. · **Material of gloves**

Nitrile rubber - NBR

Recommended thickness of the material: $\geq 0,11$ mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Penetration time of glove material**

Penetration time: ≥ 8 hours

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Protective gloves should be replaced at first signs of wear.

· **Eye protection:** *Tightly sealed safety glasses*

· **Body protection:**

Protective work clothing

Protective clothing should be selected specifically for the working place.

Section 9: Physical and Chemical Properties

Main composition: Fatty alcohol polyoxyethylene

Appearance: White solid

Colour(Pt-Co): <40

Cloud point: 88~91*(5%NaCl)

Hydroxyl value: 47-52 mgKOH/g

PH (1% aque. solu.): 5.0~7.0

Freezing point: Not determined

Flash point: > 150 °C

Solubility: Soluble in water.

VOC CONTENT: 0 %

Note: These physical properties are typical values for this product and are subject to change.

Section 10: Stability and Reactivity Data

STABILITY

Stable under normal conditions.

HAZARDOUS POLYMERIZATION

Hazardous polymerization will not occur.

CONDITIONS TO AVOID

Avoid extremes of temperature.

MATERIALS TO AVOID

Contact with strong oxidizers (e.g. chlorine, peroxides, chromates, nitric acid, perchlorate, concentrated oxygen, permanganate) may generate heat, fires, explosions and/or toxic vapors.

HAZARDOUS DECOMPOSITION PRODUCTS

Under fire conditions: Oxides of carbon

Section 11: Toxicological Information

Aquatic organism: (LD50) Not determined

Irritant: Not determined

Sensitization: Not determined

Mutagenicity: Not determined

Teratogenicity: Not determined

CARCINOGENICITY :

None of the substances in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the American Conference of Governmental Industrial Hygienists (ACGIH).

HUMAN HAZARD CHARACTERIZATION :

Based on our hazard characterization, the potential human hazard is: Low

Section 12: Ecological Information

PERSISTENCY AND DEGRADATION

Biological Oxygen Demand (BOD): no

ENVIRONMENTAL HAZARD CHARACTERIZATION

Based on our hazard characterization, the potential environmental hazard is: no

Section 13: Disposal Considerations

Dispose of wastes in an approved incinerator or waste treatment/disposal site, in accordance with all applicable regulations. Do not dispose of wastes in local sewer or with normal garbage.

Empty drums should be taken for recycling, recovery, or disposal through a suitably qualified or licensed contractor.

Comply with local regulations.

Section 14: Transport Information

Classification: This product is not classified as hazardous

package demand: no special demand

package: 50 kg/ drum or 200kg/ drum or 1000 Kg/drum (Net weight).

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper Shipping Name / Hazard Class may vary by packaging, properties, and mode of transportation.

Section 15: Other Regulatory Information

Security laws and rules: applicable
Law of environmental protection: applicable

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 06/1/2011

Updated: 06/12/2011

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