

Material Safety Data Sheet



Product name	ECOLOK™ 339	Revision Date	EMNA/EN
MSDS number	85803	Issuing date	Jun.09.2011
Revision Number	1		Feb.20.2012

1. Product and company identification

Product name
ECO-LOK™ 339

Celanese Ltd.
1601 W. LBJ Freeway
P.O. Box 819005
Dallas, TX 75381-9005
United States
Phone: 972 443 4000
Internet: www.celanese.com

Transportation emergency phone numbers:
For Chemical Emergency: Spill Leak Fire Exposure or Accident
Call CHEMTREC Day or Night
DOMESTIC NORTH AMERICA: 800-424-9300
INTERNATIONAL, CALL +1 703-527-3887 (collect calls accepted)

End Use:
For industrial use only, Glassfiber industry, Sizing agent

2. Hazards identification

Emergency Overview

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200)

CAUTION!
May cause eye irritation
Dust from this product can form an explosive organic dust cloud.

Product Description

Appearance	
Form	powder
Odor	Starch
Color	white

Potential health effects

Routes of exposure Skin, eyes, inhalation.

Immediate effects

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Skin	Prolonged or repeated exposure may cause: skin irritation
Eyes	May cause eye irritation
Inhalation	May cause respiratory tract irritation.
Ingestion	Essentially non-toxic based on components.

3. Composition/information on ingredients

Components	CAS-No	Percent %
Modified Starch		90 - 100%

4. First aid measures

General Information

Remove contaminated, soaked clothing immediately and dispose of safely.

Skin

Wash off with soap and water. If symptoms persist, call a physician.

Eyes

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Inhalation

Move to fresh air. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. If conscious, drink plenty of water. Do not induce vomiting without medical advice.

5. Fire-fighting measures

Suitable extinguishing media

Foam, Dry powder, Carbon dioxide (CO₂), Water spray

Extinguishing media which must not be used for safety reasons

Do not use a solid water stream as it may scatter and spread fire.

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

Under conditions giving incomplete combustion, hazardous gases produced may consist of
carbon monoxide
carbon dioxide (CO₂)
Combustion gases of organic materials must in principle be graded as inhalation poisons

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Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

Environmental precautions

Dike and collect water used to fight fire.

6. Accidental release measures

Personal precautions

Contaminated surfaces will be extremely slippery. Avoid contact with the skin and the eyes.

Environmental precautions

Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up

Avoid dust formation. Potential dust explosion hazard. Remove all sources of ignition. Keep in suitable, closed containers for disposal. Dispose of in accordance with local regulations.

7. Handling and storage

Handling

Advice on safe handling

Use adequate ventilation. Keep containers tightly closed in a dry, cool and well-ventilated place. Avoid dust formation.

Protection - fire and explosion:

The powder can explode if mixed in air and ignited in a confined space. If unconfined, ignition will give rise to a Class A fire. Care should be taken to prevent the accumulation of dust. Dust is an explosion hazard. However, the explosive hazard is highly dependent on particle size; the finer the particles, the higher the explosion strength.

Storage

Technical measures/Storage conditions

Keep tightly closed in a dry and cool place. No special technical protective measures required.

Material storage

Store at room temperature in the original container. Do not use metal containers.

Incompatible products

No special restrictions on storage with other products

8. Exposure controls / personal protection

OSHA Exposure Limits

Components	TWA
Respirable Dust	5 mg/m ³
Total Dust	15 mg/m ³

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ACGIH Exposure Limits

Components	TWA
Respirable Dust	3 mg/m ³
Total Dust	10 mg/m ³

Mexico National Exposure Limits

No exposure limits established

Exposure controls

Engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Protective equipment

A safety shower and eyebath should be readily available.

General advice

Avoid contact with skin and eyes.

Skin protection:

Wear impervious clothing and gloves when there is a reasonable chance for skin contact..

Eye/face protection:

safety glasses with side-shields.

9. Physical and chemical properties

Appearance

Form	powder
Color	white
Odor	Starch.
Molecular Weight	>10000
pH	3.0
Method	ISO 976

Specific Gravity	1.5
Water solubility	insoluble

10. Stability and reactivity

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Reactivity

Stable under recommended storage conditions

Conditions to avoid

Avoid dust formation

Possibility of hazardous reactions

No hazards to be especially mentioned.

11. Toxicological information

Toxicological data are not available. Observe the usual hygienic measures for handling chemicals.

12. Ecological information

Ecotoxicological data are not available. According to experience, the material has no harmful effect on the environment.

13. Disposal considerations

Disposal considerations

Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

Note that this handling and disposal information may also apply to empty containers, liners and rinsate. State or local regulations or restrictions are complex and may differ from federal regulations. This information is intended as an aid to proper handling and disposal; the final responsibility for handling and disposal is with the owner of the waste.

14. Transport information

US Department of Transportation Not regulated

TDG Not regulated

Mexico Transport Information Not regulated

ICAO/IATA Not restricted

IMDG Not regulated

15. Regulatory Information

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15. Regulatory Information

US State Regulations

Chemicals associated with the product which are subject to the state right-to-know regulations are listed along with the applicable state(s):
none

U.S. FEDERAL REGULATIONS

TSCA Inventory

This product complies with the U.S. Toxic Substances Control Act (TSCA).

SARA 313 Chemicals

Contains no substances at or above the reporting threshold under Section 313.

CANADIAN REGULATIONS

WHMIS Classification:

Not a WHMIS controlled product.

All components are listed on the Canadian Domestic Substance List (DSL)

16. Other information

Prepared By

Product Stewardship Department
Celanese

For more information, consult the Technical Data Sheet (www.celanese-emulsions.com)

Sources of key data used to compile the datasheet

Information contained in this safety data sheet is based on Celanese owned data and public sources deemed valid or acceptable. The absence of data elements required by ANSI or 1907/2006/EC indicates that no data meeting these requirements is available.

Other Information:

ECO-LOK is a registered trade mark of National Starch and Chemical Co. and used here with permission.
Changes against the previous version are marked by ***

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