

MATERIAL SAFETY DATA SHEET

Acticell® U

Version: 1.2
Date of Issue: 04/05/2008
Date printed: 04/09/2008

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Acticell® U

Chemical name: Urea (surface treated)

Use of substance/preparation: No specific information

Supplier: Lion Copolymer Geismar, LLC.
36191 Louisiana Highway 30
Geismar, LA 70734 USA

Emergency telephone number: CHEMTREC : 800-424-9300 (For USA, and Canada)
CHEMTREC: 703-527-3887 (For all other Countries)

Environmental, Health and Safety Department: US-225-673-8871 or 225-267-3608

Prepared by Supply Chain Date of Issue: 04/08/2008
(US) +1 800-535-9960
(Outside of the US) 1 + 225-267-3788
Email: CustomerService@Lioncopolymer.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION!

DUST AND PROCESS FUMES MAY BE HARMFUL IF INHALED AND MAY CAUSE IRRITATION OF SKIN, EYES, NOSE AND THROAT.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT
Urea CAS# 57-13-6	95
Amorphous Silica CAS# 11945-52-5	<5
Amorphous Silica CAS# 112946-00-8	<5
Calcium Silicate CAS# 1344-95-2	<5
Hydro Treated Oil CAS# 64742-52-5	<5

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4. FIRST AID MEASURES

Swallowing

Do not induce vomiting. Rinse mouth with water. Obtain medical attention.

Inhalation

Remove to fresh air. Obtain medical attention if symptoms persist.

Skin contact

Wash skin with soap and water. No harmful effects expected.

Eye contact

Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention if discomfort persists.

5. FIRE-FIGHTING MEASURES

Flammable limits

Lower limit: Not available

Upper limit: Not available

Autoignition temperature:

Not available

NEPA CLASSIFICATION

Health: 0	Flammability: 3	Reactivity: 1	Special provisions: No data available.
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Hazardous combustion products

Ammonia.

Oxides of carbon.

Oxides of nitrogen.

Hydrogen cyanide.

Special fire fighting procedures

Do not discharge extinguishing waters into streams, rivers and lakes.

Special protective equipment for firefighters

Body covering protective clothing, full "turn-out" gear.

Self-contained breathing apparatus.

Extinguishing media

Suitable:

- CO2
- dry powder
- foam
- water fog

Unsuitable: - water spray

Unusual fire and explosion hazards

Avoid dispersion of dust in air to reduce potential for dust ignition/explosions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear suitable protective equipment., Do not breath dust., Eliminate sources of ignition., Avoid contact with skin and eyes.

Environmental precautions

Prevent from entering sewer system, surface water or soil.

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Methods for cleaning up

Avoid dispersion of dust.
Sweep up and collect in a suitable container for disposal.

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Normal precautions common to good safety practice should be followed in handling., Use with adequate ventilation., Avoid breathing dust., Keep container tightly closed., Keep away from sources of ignition - No smoking.

STORAGE

Storage requirements

Keep container tightly closed in a cool, well-ventilated place., Protect from heat., In case of occurrence of dust, risk of dust explosion.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

<u>Component</u>	<u>Country</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Inorganic Silicate		TLV-TWA, ACGIH	10 mg/m3	Inhalable (total) particulate matter containing no asbestos and <1% crystalline silica.
		PEL, OSHA	5 mg/m3	Respirable fraction
		PEL, OSHA	15 mg/m3	Total dust
Fatty acid, calcium salt	USA	TWA, OSHA	15 mg/m3	Respirable fraction TWA-PEL, OSHA

PERSONAL PROTECTION

Respiratory protection

Dust respirator, if dusting conditions exist.

Hand protection / protective gloves

Chemical resistant protective gloves

Eye protection

Safety glasses with side shields.

Skin protection

Wear protective clothing, such as long sleeves to minimize skin contact.

ENGINEERING CONTROLS

Ventilation

General mechanical room ventilation is satisfactory for normal handling and storage operations.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state Powder
Color White
Odor Slight
Odor threshold Not available

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OTHER PROPERTIES

Boiling point	Not available
Melting point	271 degrees F (decomposes)
Solidification	Not available
pH	Not available
Specific gravity (H2O=1)	1.3
Vapor pressure	
Solubility in water	Partially soluble
Solubility in organic solvents	No data available.
Partitioning coefficient	Not available
Flash point	Not applicable
Autoignition temperature	Not available
Upper explosion limits	Not available
Lower explosion limits	Not available
Percent volatiles	Not available

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Stability - Conditions to avoid:
Strong oxidizing agents.

Hazardous combustion products:

Ammonia.
Oxides of carbon.
Oxides of nitrogen.
Hydrogen cyanide.

11. TOXICOLOGICAL INFORMATION

SWALLOWING

Test results

Acute toxicity: LD50 Rat
Result: 14,700 mg/kg

MUTAGENICITY

Assessment: Ames-test: no mutagenic effect

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12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

General: Dispose of in accordance with appropriate Federal, State, and local regulations., Avoid discharge to sewers and natural waters.

14. TRANSPORT INFORMATION

DOT Classification

This product is not regulated by DOT.

IMDG Classification

This product is not regulated by IMDG.

ICAO Classification

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.

Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

Massachusetts Right-To-Know Substance List (MSL)--Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
Calcium Silicate	1344-95-2	5.00

Pennsylvania Right-To-Know Hazardous Substance List--Hazardous Substances and Special Hazardous Substances on the list must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
Calcium Silicate	1344-95-2	5.00

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#	New Jersey TS Number
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Urea	57-13-6	
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	5.00
Calcium Silicate	1344-95-2	5.00

EPA Hazard Categories (SARA 311, 312): None

CHEMICAL INVENTORY

Canada: The ingredients of this product are on the DSL.
Europe: The ingredients of this mixture are on the EINECS inventory.
United States: This product is on the TSCA inventory.
Australia: This product is on the AICS inventory.
China: This product is on the IECSC Inventory.
Korea: This product is listed on the Existing Chemicals List (ECL).
Philippines: This product is on the PICCS.

Food additive
 No data available.

Food contact
 No data available.

Cosmetics
 No data available.

Pharmaceuticals
 No data available.

16. OTHER INFORMATION

HMIS RATING

Health: 2	Flammability: 1	Reactivity: 1	PPI: X
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STP	Standard temperature and pressure
W/W	Weight/Weight 0 (HMIS)
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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 Geismar,
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