

# STARCHEM 2951

## SECTION 1. IDENTIFICATION

**Product Identifier** STARCHEM 2951  
**Other Means of Identification** Urea, N,N'-bis[3-(dimethylamino)propyl]-  
**Manufacturer** StarChem, LLC, 10150 Greenville Highway, Wellford, SC, 29385, EH&S Dept, 1-800-677-3500, www.starchemglobal.com  
**Emergency Phone No.** Chemtrec, 1-800-424-9300  
**SDS No.** 0374

## SECTION 2. HAZARD IDENTIFICATION

### Classification

Skin irritation - Category 2; Eye irritation - Category 2A

### Label Elements



Signal Word:

Warning

Hazard Statement(s):

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Statement(s):

Prevention:

P264 Wash hands and skin thoroughly after handling.

P280 Wear eye protection/face protection.

P280 Wear protective gloves.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Urea, N,N'-bis[3-(dimethylamino)propyl]-	52338-87-1	>95	
3-Aminopropyldimethylamine	109-55-7	>0.1 - <1	

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

#### Skin Contact

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In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and

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shoes. Get medical attention. Wash clothing and shoes before reuse.

#### **Eye Contact**

In case of contact, flush eyes with plenty of water for at least 15 minutes. Use fingers to ensure that eyelids are separated and that the eye is being irrigated. Call a physician immediately.

#### **Ingestion**

If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

## **SECTION 5. FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Water spray, dry powder, foam.

#### **Unsuitable Extinguishing Media**

Water jet.

### **Specific Hazards Arising from the Product**

Harmful vapours.

### **Special Protective Equipment and Precautions for Fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapours.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

Handle in accordance with good industrial hygiene and safety practice.

### **Environmental Precautions**

Avoid release to the environment. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

### **Methods and Materials for Containment and Cleaning Up**

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Clean up any spills as soon as possible, using an absorbent material to collect it. Absorb and/or contain spill with inert material, then place in suitable container.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Storage Period

Not Established

Handling/Storage Precautions

Keep away from heat and moisture. Avoid inhalation of vapour or mist. Avoid contact with eyes. Avoid contact with skin or clothing. Use only with adequate ventilation/personal protection. Wash thoroughly after handling. Keep container closed when not in use. Protect from freezing. Stir before using.

### **Conditions for Safe Storage**

Store tightly closed in a dry, cool and well-ventilated place. Protect from freezing.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Industrial Hygiene/Ventilation Measures

General dilution and local exhaust as necessary to control airborne vapours, mists, dusts and thermal decomposition

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products below appropriate airborne concentration standards/guidelines. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination. Curing ovens must be ventilated to prevent the build up of explosive atmospheres and to prevent off gases from entering the work place.

#### Respiratory Protection

The use of a positive pressure supplied air respirator is mandatory when: airborne concentrations are not known; airborne solvent levels are 10 times the appropriate TLV; spraying is performed in a confined space or area with limited ventilation.

#### Hand Protection

Permeation resistant gloves.

#### Eye Protection

Chemical resistant goggles must be worn., Chemical safety goggles in combination with a full face shield if a splash hazard exists.

#### Skin and body protection

Permeation resistant clothing, Gloves, long sleeved shirts and pants.

#### Additional Protective Measures

Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product. Emergency showers and eye wash stations should be available.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

<b>Appearance</b>	Light yellow liquid.
<b>pH</b>	~ 11.5
<b>Flash Point</b>	182 °C (360 °F)
<b>Relative Density (water = 1)</b>	~ 0.95
<b>Other Information</b>	
<b>Physical State</b>	Liquid

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

### Conditions to Avoid

Heat. None under normal use.

### Incompatible Materials

Oxidizing agents, Acids.

### Hazardous Decomposition Products

Carbon and nitrogen oxides.

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## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Primary routes of entry

Inhalation.

Dermal contact.

Ingestion.

### Acute Toxicity

Inhalation

Type of value: LC50

Species: rat

Exposure time: 4 h

not determined

Oral

Type of value: LD50

Value: > 5,000 mg/kg

Dermal

Type of value: LD50

Species: rat

not determined

### Skin Corrosion/Irritation

Contact may result in skin irritation.

May cause an allergic skin reaction.

### Serious Eye Damage/Irritation

Causes serious eye damage.

### Aspiration Hazard

No information was located.

## SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

No data available.

Toxicity to fish

LC50 (96 h), Fish

not determined

Aquatic invertebrates

LC50 (48 h), daphnia

not determined

Aquatic plants

EC50 (72 h), algae

not determined

Chronic toxicity to fish

No data available.

Chronic toxicity to aquatic invertebrates

No data available.

Assessment of terrestrial toxicity

No data available.

### Ecotoxicity

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No information was located.

**Persistence and Degradability**

No information was located.

**Bioaccumulative Potential**

No information was located.

**Mobility in Soil**

No information was located.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal Methods**

Waste Disposal Method

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

**Empty Container Precautions**

Do not heat or cut container with electric or gas torch. Recondition or dispose of empty container in accordance with governmental regulations. Do not reuse empty container without proper cleaning. Label precautions also apply to this container when empty.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## SECTION 15. REGULATORY INFORMATION

**Safety, Health and Environmental Regulations**

**USA**

**Toxic Substances Control Act (TSCA) Section 8(b)**

Listed on the TSCA Inventory.

**Additional USA Regulatory Lists**

SARA Title III - Section 311/312: Acute.

## SECTION 16. OTHER INFORMATION

**NFPA Rating**            **Health - 2**    **Flammability - 1**            **Instability - 0**

**Date of Preparation**    March 20, 2017

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