

# MATERIAL SAFETY DATA SHEET

# LANXESS

## LANXESS Sybron

**LANXESS Corporation**  
Sybron Chemicals, Inc  
200 Birmingham Road  
Birmingham, NJ 08011  
USA

### TRANSPORTATION EMERGENCY

CALL CHEMTREC: (800) 424-9300  
INTERNATIONAL: (703) 527-3887

### NON-TRANSPORTATION

LANXESS Emergency Phone: (609) 893-1100  
LANXESS Information Phone: (609) 893-1100

## 1. Product and Company Identification

**Product Name:** Ionac C-249 NS (4270)  
**Material Number:** SY003358  
**Chemical Family:** Cation Exchange Resin  
**Chemical Name:** Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated, sodium salts

## 2. Hazards Identification

### Emergency Overview

**Color:** Brown **Form:** Solid Beads **Odor:** Odorless.

Product poses little or no hazard if spilled.

### Potential Health Effects

**Primary Routes of Entry:** Skin Contact, Eye Contact, Ingestion

### HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE

#### Eye

##### Acute Eye

**For Product: Ionac C-249 NS (4270)**

May cause mechanical irritation.

#### General Effects of Exposure

##### Acute Effects of Exposure

**For Product: Ionac C-249 NS (4270)**

Not expected to cause any adverse acute health effects.

#### Chronic Effects of Exposure

**For Product: Ionac C-249 NS (4270)**

Not expected to cause any adverse chronic health effects.

**Carcinogenicity:**

No Carcinogenic substances as defined by IARC, NTP and/or OSHA.

**3. Composition/Information on Ingredients**

**Hazardous Components**

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

**4. First Aid Measures**

**Eye Contact**

In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops.

**Skin Contact**

In case of skin contact, wash affected areas with soap and water.

**Inhalation**

First Aid measures are unlikely due to physical form.

**Ingestion**

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

**5. Fire-Fighting Measures**

**Suitable Extinguishing Media:** water, foam, dry chemical

**Unsuitable Extinguishing Agents:** carbon dioxide (CO<sub>2</sub>)

**Special Fire Fighting Procedures**

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

**6. Accidental release measures**

**Spill and Leak Procedures**

Spills should be swept up and placed in appropriate containers for disposal. Clean up promptly by scoop or vacuum. Avoid creating dusty conditions. Spilled material may make surfaces slippery.

**7. Handling and Storage**

**Storage Temperature:**

**minimum:** 0 °C (32 °F)  
**maximum:** 40 °C (104 °F)

**Storage Period**

5 Years: When stored in original sealed container.

**Handling/Storage Precautions**

Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. Keep container closed when not in use. Avoid breathing dust.

**Further Info on Storage Conditions**

Protect from freezing.

**8. Exposure Controls / Personal Protection**

Country specific exposure limits have not been established or are not applicable

**Industrial Hygiene/Ventilation Measures**

Under normal conditions of use, special ventilation is not required.

**Respiratory Protection**

None required under normal conditions of use.

**Eye Protection**

safety glasses.

**Skin and body protection**

No special skin protection requirements during normal handling and use.

**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.

**9. Physical and chemical properties**

**Form:** Solid  
**Appearance:** Beads  
**Color:** Brown  
**Odor:** Odorless  
**pH:** 6.5 - 8.5  
**Freezing Point:** Not Applicable  
**Boiling Point/Range:** Not Applicable  
**Flash Point:** Not Applicable  
**Lower Explosion Limit:** Not Established  
**Upper Explosion Limit:** Not Established  
**Vapor Pressure:** Not Applicable  
**Specific Gravity:** 1.3 @ 20 °C (68 °F)  
**Solubility in Water:** Insoluble  
**Autoignition Temperature:** > 500 °C (> 932 °F)  
**Decomposition Temperature:** Not established  
**Bulk Density:** no data available

## 10. Stability and Reactivity

### Hazardous Reactions

Hazardous polymerization does not occur.

### Stability

Stable

## 11. Toxicological Information

### Toxicity Data for Ionac C-249 NS (4270)

#### Toxicity Note

No data available for this product.

### Toxicity Data for Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated, sodium salts

#### Toxicity Note

Toxicity data is based on a similar product.

### Acute Oral Toxicity

LD50: > 5,000 mg/kg (Rat)

### Skin Irritation

rabbit, Exposure Time: 4 hrs, Non-irritating

### Eye Irritation

rabbit, Non-irritating

## 12. Ecological Information

### Ecological Data for Ionac C-249 NS (4270)

#### Additional Ecotoxicological Remarks

No data available for this product.

## 13. Disposal considerations

### Waste Disposal Method

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

### Empty Container Precautions

Recondition or dispose of empty container in accordance with governmental regulations.

## 14. Transportation information

**Land transport (DOT)**

Non-Regulated

**Sea transport (IMDG)**

Non-Regulated

**Air transport (ICAO/IATA)**

Non-Regulated

**15. Regulatory Information**

**United States Federal Regulations**

**OSHA Hazcom Standard Rating:** Non-Hazardous

**US. Toxic Substances Control Act:** Listed on the TSCA Inventory.

**US. EPA CERCLA Hazardous Substances (40 CFR 302):**

**Components**

None

**SARA Section 311/312 Hazard Categories:**

Non-hazardous under Section 311/312

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):**

**Components**

None

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required:**

**Components**

None

**US. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261):**

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

**State Right-To-Know Information**

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:**

**Weight %**

>=1%

**Components**

Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated,

**CAS-No.**

69011-22-9

>=1%

sodium salts  
Water

7732-18-5

**California Prop. 65:**

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

**16. Other Information**

**NFPA 704M Rating**

<b>Health</b>	0
<b>Flammability</b>	1
<b>Reactivity</b>	1
<b>Other</b>	

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

**HMIS Rating**

<b>Health</b>	0
<b>Flammability</b>	1
<b>Physical Hazard</b>	1

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

\* = Chronic Health Hazard

LANXESS Corporation's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS and NFPA ratings are provided by LANXESS Corporation as a customer service.

Contact Person: Product Safety Department  
Telephone: (609) 893-1100  
MSDS Number: 000000003358  
Version Date: 01/11/2008  
Report Version: 2.0

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Changes since the last version will be highlighted in the margin. This version replaces all previous versions.