

Material Safety Data Sheet

LANXESS

LANXESS Sybron

1. Product and company identification

Product name : IONAC C-249
Supplier/Manufacturer : LANXESS Corporation
Sybron Chemicals, Inc
200 Birmingham Road
Birmingham, NJ 08011
USA

For information: US/Canada (800) LANXESS

International +1 412 809 1000

In case of emergency : Chemtrec (800) 424-9300
International (703) 527-3887
Lanxess Emergency Phone (800) 410-3063.

Material Number : 05643228

Chemical family : Cation Exchange Resin

2. Hazards identification

Physical state : Solid. [beads]

Odor : Odorless.

Color : Brown.

Emergency overview : NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

Routes of entry : Dermal contact. Eye contact.

Medical conditions aggravated by over-exposure : Pre-existing respiratory, skin and eye disorders and disorders involving any other target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

Potential acute health effects / Over-exposure signs/symptoms

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin : No known significant effects or critical hazards.

Eyes : May cause mechanical irritation (abrasion).

Potential chronic health effects

Chronic effects : No known significant effects or critical hazards.

Carcinogenicity : No carcinogenic substances as defined by IARC, NTP and/or OSHA.

3. Composition/information on ingredients

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

<u>Name</u>	<u>CAS number</u>	<u>%</u>
No hazardous ingredient		

4. First aid measures

Eye contact	: Check for and remove any contact lenses. In case of contact flush eyes with plenty of luke warm water. Get medical attention if symptoms occur.
Skin contact	: Wash with plenty of soap and water. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation	: If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion	: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Notes to physician	: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Extinguishing media

Suitable	: In case of fire, use water spray (fog), foam or dry chemical.
Not suitable	: Carbon dioxide (CO ₂).
Special exposure hazards	: Move containers from fire area if this can be done without risk.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions	: No action shall be taken involving any personal risk or without suitable training.
Spill and Leak Procedures.	: Hazard of slipping on spilled product. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container.

7. Handling and storage

Handling	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.
Storage	: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. It is recommended to store ion exchange resins at temperatures above the freezing point of water. If the resin should become frozen, the resin should not be mechanically handled and should be left to thaw out gradually at ambient temperature. It must be completely thawed before handling or use. No attempt should be made to accelerate the thawing process.
Storage temperature:	: Store between the following temperatures: -20 to 40°C

8. Exposure controls/personal protection

No exposure limit value known.

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures : No special ventilation requirements.

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Respiratory : None required under normal conditions of use.

Hands : gloves

Eyes : safety glasses with side-shields

Skin : Wear work clothing with long sleeves.
Suitable protective footwear.

9. Physical and chemical properties

Physical state : Solid. [beads]
Auto-ignition temperature : >500°C (>932°F)
Color : Brown.
Odor : Odorless.
pH : 6.5 to 8.5 [Conc. (% w/w): 10%]
Density : 1.3 g/cm³
Bulk density : 800 to 900 kg/m³
Solubility : Insoluble in the following materials: cold water.

10. Stability and reactivity

Chemical stability : The product is stable.

Conditions to avoid : Strong oxidants, e.g. nitric acid, can cause violent reactions if they come into contact with ion exchange resins.

Materials to avoid : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

11. Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Ionac C-249	LD50 Oral	Rat	>5000 mg/kg	-

Irritation/Corrosion

Skin : Non-irritating *Test results on an analogous product

Eyes : Non-irritating *Test results on an analogous product

11. Toxicological information

12. Ecological information

Aquatic ecotoxicity

No information available.

13. Disposal considerations

- Waste disposal** : Waste disposal should be in accordance with existing federal, state, provincial and/or local environmental controls. The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.
- RCRA classification** : 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)

14. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	-	-	-	-		Not regulated.
IMDG Class	-	-	-	-		Not regulated.
IATA-DGR Class	-	-	-	-		Not regulated.

PG* : Packing group

RQ : 0 lbs

15. Regulatory information

HAZCOM Standard Status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

SARA Section 311/312 Hazard Categories : None

	<u>Ingredient name</u>	<u>CAS number</u>	<u>Concentration (%)</u>
SARA Title III Section 302 Extremely Hazardous Substances	: None		

	<u>Ingredient name</u>	<u>CAS number</u>	<u>Concentration (%)</u>
SARA Title III Section 313 Toxic Chemicals	: None		

	<u>Ingredient name</u>	<u>CAS number</u>	<u>RQ</u>
US EPA CERCLA Hazardous Substances (40 CFR 302.4)	: None		

15. Regulatory information

State regulations

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

<u>Ingredient name</u>	<u>CAS number</u>	<u>State Code</u>	<u>Concentration (%)</u>
Benzene, diethenyl-, polymer with ethenylbenzene, sulfonated, sodiumsalts	69011-22-9		50 - 60
Water	7732-18-5		40 - 50

Massachusetts Substances: MA - S

Massachusetts Extraordinary Hazardous Substances: MA - Extra HS

New Jersey Hazardous Substances: NJ - HS

Pennsylvania RTK Hazardous Substances: PA - RTK HS

Pennsylvania Special Hazardous Substances: PA - Special HS

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.

U.S. Toxic Substances Control Act : Listed on the TSCA Inventory.

16. Other information

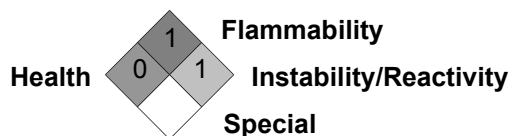
Hazardous Material Information System

Health	0
Flammability	1
Physical hazards	1

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

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.) :



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

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

Contact person : Product Safety and Regulatory Affairs
Date of issue : 02-09-2012
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Version : 2

▣ Indicates information that has changed from previously issued version.

16. Other information

Notice to reader

This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of LANXESS Corporation. The information in this MSDS relates only to the specific material designated herein. LANXESS Corporation assumes no legal responsibility for use of or reliance upon the information in this MSDS.