

Material Safety Data Sheet

NeoCryl B-831

Version 2.1

Print Date 03-17-2010

Issue Date 03-17-2010

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material Name : NeoCryl B-831
Product Use : Resins for Coatings Applications
Company : DSM NeoResins
730 Main Street
Wilmington, MA 01887
Telephone : (978) 658-6600
Fax :
Emergency telephone : 800-424-9300 Medical Emergency

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

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS*

<u>CAS No. / NJRTK No.*</u>	<u>Wt %</u>	<u>Components</u>
8912P	>= 99.00	Acrylic Copolymer
7732-18-5	< 0.70	Water

*Ingredients not precisely identified are either proprietary or non-hazardous; the NJRTK number for the proprietary component(s) is 043574982 followed by the 4/5 digitcode above.

SECTION 3. HAZARDS IDENTIFICATION**

**As defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. See Section 8 for exposure guidelines & Section 11 for toxicology and ingredient specific information.

Emergency Overview

**TRANSPARENT SOLID, FREE FLOWING BEADS; ODORLESS ODOR;
MAY FORM EXPLOSIVE DUST CLOUDS IN AIR. EYE IRRITANT. SKIN IRRITANT.
RESPIRATORY IRRITANT.**

Potential Health Hazards

Eyes This product may be an eye irritant

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Skin	This product contains a component which may be irritating to skin. A component of this product induced skin sensitization in an animal study. The product may induce skin sensitization after repeated or prolonged exposure.
Inhalation	Particulates of this material will probably irritate eyes, nose, and respiratory passages.

SECTION 4. FIRST AID MEASURES

Inhalation

Remove victim to fresh air. If a cough or other respiratory symptoms develop, consult medical personnel.

Skin contact

Wash off of skin with plenty of soap and water. If redness, itching or burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

Eye contact

Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, have eyes examined and treated by medical personnel.

Ingestion

DO NOT INDUCE VOMITING. Give one or two glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE FIGHTING MEASURES

Flammable Properties

Flash point: > 93.33 °C (> 199.99 °F)

Lower explosion limit

No data

Upper explosion limit

No data

Extinguishing agents

Use water fog, alcohol foam, carbon dioxide, dry chemical, halogenated agents.

Specific hazards during fire fighting

This product will support combustion if ignited. Like all thermoplastic materials, it will melt under fire conditions. This product may form explosive dust clouds in air. Finely divided organic solids such as this material may build static electrical charges on flow. Such a charge may, under certain conditions, result in the generation of sparks of sufficient energy to ignite flammable vapors or finely divided organic powders. Use bonding and grounding between transfer equipment during material transfer.

Special protective equipment for fire-fighters

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Self-contained breathing apparatus with full facepiece and protective clothing if involved in a fire of other materials.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear skin, eye, and respiratory protection during cleanup. Ventilate spill area. Floor may become slippery if spilled.

Methods for cleaning up

Recover material into a chemical waste container. Do not mix or contaminate with incompatible materials. Cover container and remove from work area.

SECTION 7. HANDLING AND STORAGE

Handling

This material contains trace amounts of residual monomers. Follow procedures specified in the National Fire Protection Association Codes and Standards for handling combustible dusts. May form combustible dust cloud in air. Avoid pneumatic conveying systems, as well as grinding and other physical operations which may create dust and a potential dust explosion hazard. Maintain good housekeeping to minimize dust generation and accumulation. Avoid breathing particulates. Prevent skin and eye contact. Finely divided organic solids such as this material may build static electrical charges on flow. Such a charge may, under certain conditions, result in the generation of sparks of sufficient energy to ignite flammable vapors or finely divided organic powders. Use bonding and grounding between transfer equipment during material transfer. Thorough showering at the end of the work shift is strongly recommended. Work clothes should be laundered daily or be disposable.

Requirements for storage areas and containers

Keep container tightly sealed. Store in a cool, well ventilated area away from heat, sources of ignition, direct sunlight, and incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures

Use ventilation adequate to maintain safe levels. Open containers in well ventilated areas to avoid inhalation of accumulated residual monomers or other volatile components which may be present at trace levels.

Eye protection

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Eye contact with the material should be avoided through the use of chemical safety glasses or goggles/faceshield, selected in regard to exposure potential.

Skin and body protection

Wear impervious gloves and apron.

DSM NeoResins employees use neoprene or nitrile gloves during manufacture and packaging of this product.

Remove contaminated clothing and wash before rewearing.

Wash separately from other laundry.

Respiratory protection

Use NIOSH certified full facepiece respirator for dusts where exposure to the dust may occur.

Hygienic measures

Eyewash station and safety shower in work area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	solid, free flowing beads
Color	:	transparent
Odor	:	ODORLESS
Density	:	1.04 g/cm ³
Water solubility	:	(Insoluble)
Viscosity	:	2,750 mPa.s at 25 °C (77 °F) Method: Brookfield (Remarks: for a 60% solution, in MEK)

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	:	None known
Materials to avoid	:	Strong oxidizers.
Hazardous decomposition products	:	Carbon oxides. Methyl methacrylate.
Hazardous reactions	:	Hazardous polymerization is not known to occur.

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SECTION 11. TOXICOLOGICAL INFORMATION

Sensitization : Skin:
Respiratory: Contains >0.1% residual acrylate(s). During normal handling this will not constitute a hazard. If the polymer matrix is destroyed e.g. when the product is dissolved in organic solvent, chemical residues will be released from the polymer matrix. Under these conditions, they may produce an allergic reaction.

Carcinogenicity:

<u>Regulatory List</u>	<u>Chemical</u>	<u>Category / Classification</u>
NTP	N.D.	
IARC	N.D.	
OSHA	N.D.	

SECTION 12. ECOLOGICAL INFORMATION

Additional ecotoxicological : No data.
remarks

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal method : Discarded product is not a hazardous waste under RCRA, but may be regulated by other jurisdictions.

Container disposal : Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residue from container and puncture or otherwise destroy empty container before disposal.

SECTION 14. TRANSPORT INFORMATION

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Proper shipping name : Not regulated by US DOT.

SECTION 15. REGULATORY INFORMATION

TSCA (TSCA Substances Control Act) : All components are on the TSCA Chemical Substances Inventory.

CEPA (Canadian Environmental Protection Act) : CEPA (Canadian Environmental Protection Act): All components are on the DSL (Domestic Substances List).

SARA Title III (Emergency Planning and Community Right-To-Know Act) : This product does not contain any chemicals at concentrations subject to the reporting requirements of SARA Section 313.

California Proposition 65 : This product is not known to contain any chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

Canada

WHMIS Classifications :

This is not a (WHMIS) controlled product in Canada. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

SECTION 16. OTHER INFORMATION

Further information:

We assigned NFPA and HMIS ratings to this product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS.*

NFPA Rating

Health : 1
Fire : 1
Reactivity : 0
Special :

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HMIS Rating

Health : 1
Fire : 1
Reactivity : 0
*** :

*This information is intended solely for the use of individuals trained in the particular hazard rating system.
**See appropriate MSDS section.

The information herein is given in good faith but no warranty, expressed or implied, is made.

This MSDS was prepared by the Regulatory Affairs Group of DSM NeoResins Inc. in Wilmington, MA. For further questions, call during regular business hours (978) 658-6600.