

## Material Safety Data Sheet

### NeoCryl A-1054

Version 3.1

Print Date 03-17-2010

Issue Date 03-17-2010

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material Name : NeoCryl A-1054

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>
7732-18-5	52.90	Water
8400P	45.00	Acrylic Copolymer
68987-90-6	1.20	Octylphenol Ethoxylate (25 EO)70%
111-90-0	< 1.00	Diethylene glycol monoethyl ether (DGME)
7664-41-7	0.70	Ammonia.
100-42-5	< 0.20	styrene

\*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

**MILKY WHITE LIQUID; AMMONIA ODOR;  
SKIN IRRITANT. EYE IRRITANT. RESPIRATORY IRRITANT.**

#### Potential Health Hazards

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<b>Eyes</b>	This product contains a component which is an eye irritant. based on commercially available information. based on human experience.
<b>Skin</b>	This product contains a component which may be irritating to skin. based on commercially available information. based on human experience.
<b>Ingestion</b>	In humans, irritation of the mouth, pharynx, esophagus, and stomach can develop following ingestion of this material.
<b>Inhalation</b>	Vapors and/or aerosols of this material will probably irritate mucous membranes, eyes, nose, and respiratory passages. based on commercially available information.

#### 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: >100.00 °C (212.00 °F) Pensky-Martens Closed Tester.

##### **Extinguishing agents**

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

##### **Specific hazards during fire fighting**

The material will not support combustion unless the water has evaporated. Combustion products: Carbon oxides, nitrogen oxides.

##### **Special protective equipment for fire-fighters**

Wear self-contained breathing apparatus with full facepiece and full protective clothing. If contact occurs with material or its solutions, immediately flush with water and remove contaminated clothing.

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#### SECTION 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions

Wear skin, eye, and respiratory protection during cleanup.

##### Methods for cleaning up

Contain spill. Soak up material with absorbent and shovel into a chemical waste container.

#### SECTION 7. HANDLING AND STORAGE

##### Handling

This material contains trace amounts (less than or equal to 0.2%) of residual monomers.

The liberation of ammonia may be retarded because of chemical neutralization in the product. Although the concentration in this product is low, the high vapor pressure of ammonia may make it possible to exceed the TLV or PEL in drum head space or other confined areas. Avoid opening drums in unventilated areas to avoid concentrated ammonia vapors.

This product, which is an aqueous dispersion of a polymer, may be difficult to remove without injuring the skin if allowed to dry.

Avoid breathing vapors or aerosols.

Prevent skin and eye contact.

Normal chemical handling and storage.

##### 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. Keep from freezing.

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

##### Engineering measures

No ACGIH TLV or OSHA PEL is assigned to this mixture. Control of exposure to below the PEL for the ingredients may not be sufficient. Minimize exposure in accordance with good hygiene practice.

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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Wear chemical tight goggles; full faceshield in addition if splashing is possible.

#### **Skin and body protection**

Wear impervious gloves and apron.

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

#### **Respiratory protection**

Respirator for ammonia

#### **Hygienic measures**

Eyewash station and safety shower in work area.

#### **Occupational**

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#### Components with workplace control parameters

<u>Components</u>	<u>Source</u>	<u>Type</u>	<u>Value</u>	<u>Remarks</u>
Ammonia.				
	ACGIH	Time Weighted Average (TWA):	25 ppm 17 mg/m3	
	ACGIH	Short Term Exposure Limit (STEL):	35 ppm 24 mg/m3	
	NIOSH	Recommended exposure limit (REL):	25 ppm 18 mg/m3	
	NIOSH	Short Term Exposure Limit (STEL):	35 ppm 27 mg/m3	
	OSHA Z1	PEL:	50 ppm 35 mg/m3	
styrene				
	ACGIH	Time Weighted Average (TWA):	20 ppm 85 mg/m3	
	ACGIH	Short Term Exposure Limit (STEL):	40 ppm 170 mg/m3	
	NIOSH	Recommended exposure limit (REL):	50 ppm 215 mg/m3	
	NIOSH	Short Term Exposure Limit (STEL):	100 ppm 425 mg/m3	
	OSHA Z2	Time Weighted Average (TWA):	100 ppm	
	OSHA Z2	Ceiling Limit Value:	200 ppm	
	OSHA Z2	Maximum concentration: / 5 minutes in any 3 hours	600 ppm	

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form** : Liquid  
**Color** : Milky white  
**Odor** : Ammonia  
**pH** : 8.5  
**Boiling point** : 100.00 °C (212.00 °F)

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**Density** : 1.0400 g/cm<sup>3</sup>  
**Water solubility** : (Dispersible)  
**Relative vapor density** : <1.0

**SECTION 10. STABILITY AND REACTIVITY**

**Conditions to avoid** : None known.  
**Materials to avoid** : Strong oxidizing agents.  
**Hazardous decomposition products** : Carbon oxides.  
Nitrogen oxides.  
**Thermal decomposition** : The material will not support combustion unless the water has evaporated  
**Hazardous reactions** : Hazardous polymerization is not known to occur.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Carcinogenicity:**

<u>Regulatory List</u>	<u>Chemical</u>	<u>Category / Classification</u>
NTP	N.D.	
IARC	styrene	2B / Possible carcinogen.
OSHA	N.D.	

**SECTION 12. ECOLOGICAL INFORMATION**

Additional ecotoxicological remarks : No data.

Other : No data.

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**SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal method : Discarded product is not a hazardous waste under RCRA, but may be regulated by other jurisdictions. In Canada, observe all applicable Canadian regulations.

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**

Proper shipping name : Not regulated by the 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) 313 Reportable Ingredients** : Styrene

**California Proposition 65** : WARNING. This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**Canada**

WHMIS Classifications :

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This is not a (WHMIS) controlled product in Canada.

**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 :

**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.