Material Safety Data Sheet

NeoCryl A-6063

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material Name : NeoCryl A-6063
Product Use : Acrylic latex for industrial coatings.
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*

<table>
<thead>
<tr>
<th>CAS No. / NJRTK No.*</th>
<th>Wt %</th>
<th>Components</th>
</tr>
</thead>
<tbody>
<tr>
<td>7732-18-5</td>
<td>51.00 - 53.00</td>
<td>Water</td>
</tr>
<tr>
<td>9013P</td>
<td>46.00 - 48.00</td>
<td>Acrylic Copolymer</td>
</tr>
<tr>
<td>5645P</td>
<td>0.50 - 1.50</td>
<td>Aliphatic Alcohol Ethoxylate Phosphate Surfactant</td>
</tr>
<tr>
<td>7664-41-7</td>
<td>0.00 - 0.20</td>
<td>Ammonia.</td>
</tr>
</tbody>
</table>

*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

WHITE MILKY EMULSION.; MILD, AMMONIA ODOR;
SKIN IRRITANT. EYE IRRITANT. RESPIRATORY IRRITANT. GASTROINTESTINAL IRRITANT.

Potential Health Hazards
Primary Routes of Entry  Inhalation of vapor, aerosol, or spray mist.
Skin or Eye contact with product, vapor, or spray mist.
Accidental ingestion of product.

Eyes  This product contains a component which is an eye irritant. based on similar materials.

Skin  Short contact periods with human skin are not usually associated with skin irritation; repeated and/or prolonged contact can result in skin irritation.

Ingestion  In humans, irritation of the mouth, pharynx, esophagus, and stomach can develop following ingestion of this material.

Inhalation  Vapors and/or aerosols of this material will probably irritate mucous membranes, 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


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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Wear skin, eye, and respiratory protection during cleanup. Floor may become slippery if spilled.

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 product contains trace (less than 0.05%) 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**
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**
If needed, use NIOSH certified respirator for organic vapors, mists and fumes.

**Hygienic measures**
Eyewash station and safety shower in work area.

**Occupational**

**Components with workplace control parameters**

<table>
<thead>
<tr>
<th>Components</th>
<th>Source</th>
<th>Type</th>
<th>Value</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonia.</td>
<td>ACGIH</td>
<td>Time Weighted Average (TWA):</td>
<td>25 ppm 17 mg/m3</td>
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<tr>
<td></td>
<td>ACGIH</td>
<td>Short Term Exposure Limit (STEL):</td>
<td>35 ppm 24 mg/m3</td>
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<tr>
<td></td>
<td>NIOSH</td>
<td>Recommended exposure limit (REL):</td>
<td>25 ppm 18 mg/m3</td>
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<tr>
<td></td>
<td>NIOSH</td>
<td>Short Term Exposure Limit (STEL):</td>
<td>35 ppm 27 mg/m3</td>
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<tr>
<td></td>
<td>OSHA Z1</td>
<td>PEL:</td>
<td>50 ppm 35 mg/m3</td>
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</table>

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form**
Milky emulsion.

**Color**
White
Odor: Mild, ammonia

pH: 7.5 - 8.5

Boiling point: 100.00 °C (212.00 °F)

Vapor pressure: 

Density: 1.04 g/cm³

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: This product contains no components present at concentrations equal to or greater than 0.1% listed by IARC, OSHA, NTP or ACGIH as a carcinogen.

Carcinogenicity:

<table>
<thead>
<tr>
<th>Regulatory List</th>
<th>Chemical</th>
<th>Category / Classification</th>
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<tbody>
<tr>
<td>NTP</td>
<td>N.D.</td>
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<tr>
<td>IARC</td>
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<tr>
<td>OSHA</td>
<td>N.D.</td>
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</table>
SECTION 12. ECOLOGICAL INFORMATION

Additional ecotoxicological remarks
No data.

Other
No data.

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 US DOT

SECTION 15. REGULATORY INFORMATION

TSCA (TSCA Substances Control Act)
All components of this material are included or are exempt from listing on the TSCA Inventory of Chemical Substances. This product contains a polymer for which qualification under the 1995 TSCA polymer exemption has been documented (40 CFR 723.250).

CEPA (Canadian Environmental Protection Act)
CEPA (Canadian Environmental Protection Act): All ingredients NOT confirmed 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: 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:

Class D, Division 2B, Toxic Material at > 1%.

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.*

<table>
<thead>
<tr>
<th>NFPA Rating</th>
<th>Health</th>
<th>Fire</th>
<th>Reactivity</th>
<th>Special</th>
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<tr>
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<td>0</td>
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</table>

<table>
<thead>
<tr>
<th>HMIS Rating</th>
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<th>Fire</th>
<th>Reactivity</th>
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<tr>
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<td>0</td>
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*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.