

# Material Safety Data Sheet

## Alcomer 110 RD

### I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Alcomer 110RD Revised: 7/2010  
 Chemical Family: Copolymer of Sodium Acrylate and Acrylamide.

#### Supplier:

**NOV FluidControl**  
 4310 N. Sam Houston Parkway E  
 Houston, TX 77032  
 Office: (713) 482-0500  
 Fax: (713) 482-0695  
 Company website: [www.nov.com](http://www.nov.com)

#### Emergency Telephone Number:

**CHEMTREC: 1-800-424-9300 or International +1-703-527-3887**

### II. COMPOSITION/INFORMATION ON INGREDIENTS

OSHA	CAS #	Chemical Identity	Exposure Limits					CARCINOGEN STATUS		
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
25085-02-3	COPOLYMER OF ACRYLAMIDE: SODIUM ACRYLATE	NE	NE	NE	NE	NE	NR	NR	NR	

NE = Not Established NR=Not Reviewed

### III. HAZARDS IDENTIFICATION

#### Emergency Overview:

**Description:** White, free flowing powder with little or no odor.

**Statement of Hazards:** NA (not a health hazard as defined by OSHA)

**Precautionary Measures:** Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Avoid prolonged or repeated inhalation of dust or skin contact. Slip hazard when wet.

**Signs and Symptoms of Exposure:** Eye contact may produce slight irritation and/or redness. Inhaled dust may cause some respiratory irritation.

**Carcinogenicity:** Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH

**Target Organ(s):** NA

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### IV. FIRST AID MEASURES

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**Ingestion:** Do not give an emetic unless directed by a physician. Never give anything by mouth to an unconscious person.

**Skin:** Remove contaminated clothing and launder before reuse. Wash effected area with soap and water.

**Inhalation:** Remove to fresh air.

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

### V. FIRE FIGHTING MEASURES

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**Flash Point:** Not Applicable

**Sensitivity to Mechanical Impact:** None

**Fire Fighting Extinguishing Media:** Carbon dioxide, dry chemical or foam.

**Fire Fighting Equipment:**

No special procedures. However, wetted product presents a slip hazard. Pedestrian and vehicular traffic must proceed with caution where wet product may exist.

**Fire and Explosion Hazards:**

Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting, and eliminate open flame and other sources of ignition.

**Extinguishing Media to Avoid:** Water may create a slip hazard with product.

**Dust Explosivity:** Dust in sufficient concentration may result in an explosive mixture in air.

**Emergency Response Guidebook Information:** No ERG # indicated. Handle as combustible material.

### VI. ACCIDENTAL RELEASE MEASURES

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**Accidental Release Measures:**

Product becomes slippery and difficult to handle when wet; spills are best handled while still dry. Sweep up and collect dry product. Absorb wet product with vermiculite or other inert material. Then water wash area to waste treatment to eliminate slip hazard.

### VII. HANDLING AND STORAGE

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**Other Handling Information:**

Good personal hygiene practices can reduce potential exposure. Wash with soap and water following any contact with this product, as well as before breaks and meals. Shower and change clothing at end of work shift. If clothing becomes contaminated, remove and launder or dry-clean before reuse.

**Storage Information:**

Store in cool dry location.

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## VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Skin Protection:** Not normally required.

**Respiratory Protection:** Use NIOSH approved dust respirator as required to control exposure. Follow ANSI Z88.2.

**Eye Protection:** Goggles (ANSI Z87.1 std; safety glasses alone do not protect from dust).

**Engineering Controls:** Provide mechanical ventilation to prevent dust concentrations, and to reduce potential exposure.

**Additional Information:** Provide eyewash station(s). Select additional protective equipment (e.g. apron, face shield, etc.), depending on conditions of use.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Physical Form:</b>	Granular Powder
<b>Color:</b>	White
<b>Odor:</b>	Little or No
<b>Odor Threshold:</b>	Not applicable
<b>Physical State:</b>	Solid
<b>Solubility in Water:</b>	Soluble
<b>Vapor Pressure:</b>	Not Applicable
<b>Specific Gravity:</b>	0.65
<b>Boiling Point:</b>	Not Applicable
<b>Melting Point:</b>	Not Applicable
<b>Freezing Point:</b>	Not Applicable
<b>Decomposition Temperature:</b>	Not Evaluated
<b>Percent Volatile:</b>	None expected above trace levels.

## X. STABILITY AND REACTIVITY

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**Stability:** Stable.

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition Products:** Thermal decomposition or combustion may produce oxides of carbon and nitrogen, various hydrocarbons, and/or ammonia which may be irritating or harmful.

**Incompatibility:** Strong oxidants such as liquid chlorine enriched gaseous or liquid oxygen, and sodium or calcium hypochlorite.

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### XI. TOXICOLOGICAL INFORMATION

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**Acute Oral Toxicity:**

Low oral toxicity. By analogy to similar materials, the acute LD50 (rat) is expected to be > 5000 mg/kg.

**Acute Inhalation Toxicity:**

Inhaled dust may cause some respiratory irritation. No toxicity data available.

**Carcinogenicity:**

Not listed as a carcinogen by IARC, NTP, OSHA, or ACGIH.

**Reproductive Toxicity:**

No data for product.

**Teratogenicity:**

No data for product.

**Mutagenicity:**

No data for product.

**Skin Irritation:**

Not classified as irritating to the skin.

**Eye Irritation:**

Not classified as irritating to the eyes.

**Intravenous LD 50:**

57-13-6 UREA

LD50 (Rat): 5300 mg/kg.

LD50 (Mice): 4600 mg/kg.

LD50 (Rabbit): 4800 mg/kg.

**Toxicologically Synergistic Products:**

None known.

**Additional Information:**

57-13-6 UREA

LD50 (Rat): 8200 mg/kg (Subcutaneous).

LD50 (Mice): 8200 mg/kg (Subcutaneous).

### XII. ECOLOGICAL INFORMATION

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**Ecological Information:**

Product not considered toxic to aquatic organisms.

**Fish Toxicity:**

Inorganic Salt

96 Hour LC50 (Bluegill/Sunfish): 12,750 ppm.

96 Hour LC50 (Fathead minnow): 13,500 ppm.

**Invertebrate Toxicity:**

Inorganic Salt

96 Hour LC50 (daphnia): 4547 mg/L.

**XIII. DISPOSAL CONSIDERATIONS**

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**RCRA Hazard Class:**

This product, when unadulterated, is not a RCRA regulated hazardous waste.

**Waste Disposal Method:**

Disposal must be arranged in accordance with local, state and federal regulations. Care must be taken to prevent environmental contamination from the disposal of material, residues and containers.

**XIV. TRANSPORT INFORMATION**

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**DOT:**

**Proper Shipping Name:** NOT A DOT/IMO HAZARDOUS MATERIAL

**XV. REGULATORY INFORMATION**

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**US Federal Regulations:**

**Chemical Weapons Convention (CWC):** This product does not contain any chemicals listed under the Chemical Weapons Convention Schedules of Chemicals.

**Clean Air Act -Hazardous Air Pollutants (HAP):** The following chemical(s) are listed as hazardous air pollutants (HAP) under the U.S. Clean Air Act Section 12 (40 CFR 61):

Chemical Name: 2-Propenamamide  
Common Name: Acrylamide  
CASRN: 79-06-1  
Percent in Composition: < 0.1 % by wt

Chemical Name: ACRYLIC ACID (Impurity)  
CASRN: 79-10-7  
Percent in Composition: < 0.5 % by wt

**Clean Air Act - Ozone Depleting Substances (ODS):**

This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

**Clean Water Act - Priority Pollutants (PP):**

This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).

**Occupational Safety and Health Act (OSHA):**

This product is not considered to be a hazardous chemical under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Resource Conservation and Recovery Act (RCRA):**

This product is not considered to be a P or U listed hazardous waste under RCRA (40 CFR 261).

**SARA Title III: Section 302 - Extremely Hazardous Substances (EHS):**

This product contains the following chemicals regulated under Section 302 (40 CFR 355) as extremely hazardous substances:

Chemical Name: ACRYLAMIDE  
CASRN: 79-06-1  
Percent in Composition: <0.10 % by wt

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## REGULATORY INFORMATION CONTINUED

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**SARA Title III: Section 304 - CERCLA:**

This product contains the following chemicals regulated under Section 304 (40 CFR 302) as hazardous substance(s) for emergency release notification ("CERCLA" List):

Chemical Name: 2-Propenamamide

Common Name: Acrylamide

CASRN: 79-06-1

Percent in Composition: <0.1 % by wt

Component RQ: 5000

Chemical Name: ACRYLIC ACID (Impurity)

CASRN: 79-10-7

Percent in Composition: < 0.5 % by wt

Component RQ: 5000

**SARA Title III: Section 311/312 - Hazard Communication Standard (HCS):**

This product is not regulated under Section 311- 312 (40 CFR 370).

**SARA Title III: Section 313 Toxic Chemical List (TCL):**

This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).

**TSCA Section 5(e) - Consent Order / SNUR:**

This product is not subject to a Section 5(e) Consent Order or Significant New Use Rule (SNUR).

**TSCA Section 8(b) - Inventory Status:**

All chemical(s) comprising this product are either exempt or listed on the TSCA inventory.

**TSCA Section 12(b) - Export Notification:**

This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

### International Regulations:

**Canadian Inventory Status:** This product contains only chemicals that are currently listed on the Canadian Domestic Substance List.

**Canadian WHMIS:** This product does not contain any chemicals listed on the Canadian WHMIS Ingredient Disclosure List.

### State Regulations:

**California Proposition 65:** The following is required composition information. This product contains the following chemical(s) which are currently listed on the California list of Known Carcinogens and Reproductive Toxins:

Chemical Name: ACRYLAMIDE

CASRN: 79-06-1

Percent in Composition: 0.10 % by wt

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## REGULATORY INFORMATION CONTINUED

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### **Massachusetts Right-to-Know:**

The following is required composition information:

Chemical Name: Inorganic salt  
CASRN: Confidential  
Percent in Composition: <10 % by wt  
Chemical Name: 2-Propenamide  
Common Name: Acrylamide  
CASRN: 79-06-1  
Percent in Composition: <0.1 % by wt

Chemical Name: ACRYLIC ACID (Impurity)  
CASRN: 79-10-7  
Percent in Composition: < 0.5 % by wt

### **New Jersey Right-to-Know:** The following is required composition information:

Chemical Name: COPOLYMER OF ACRYLAMIDE: SODIUM ACRYLATE  
CASRN: 25085-02-3

Chemical Name: WATER  
CASRN: 7732-18-5

Chemical Name:  
NJ Registry #: unknown

Chemical Name: UREA  
CASRN: 57-13-6

Chemical Name:  
NJ Registry #: unknown

### **Pennsylvania Right-to-Know:** The following is required composition information:

Chemical Name: COPOLYMER OF ACRYLAMIDE: SODIUM ACRYLATE  
CASRN: 25085-02-3  
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: WATER  
CASRN: 7732-18-5  
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name:  
CASRN: Confidential  
Comment: Environmental Hazardous Substance

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**XVI. HMIS AND NFPA RATINGS:**

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	<u>HMIS</u>
HEALTH	0
FLAMMABILITY	1
REACTIVITY	0
SPECIFIC HAZARD/ PERSONAL PROTECTION	X

**DISCLAIMER:**

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, NOV FluidControl, makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the person receiving this MSDS will make own determination as to its suitability for their intended purpose prior to use. Since the product is within the exclusive control of the user, it is the user's obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal Regulations concerning the Product. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HERUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

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