

# Safety Data Sheet

Prepared for:

Anchor Drilling Fluids USA, Inc.  
2431 East 61<sup>st</sup> Street, Suite 710  
Tulsa, Oklahoma 74136  
918.583.7701

October 2, 2013

## Section 1: Identification

*Identification of the chemical as well as the recommended uses and the essential contact information of the supplier.*

**Product Identifier:** Alcomer 90L  
**Common Name(s):** N/A  
**Chemical Family:** Copolar of Sodium Acrylate & Acrylamide Dispersed in Mineral Oil  
**Synonyms:** N/A

### Manufacturer, Importer, and/or Responsible Party Information

**Name:** Anchor Drilling Fluids USA, Inc.  
**Address:** 2431 East 61<sup>st</sup> Street, Suite 710, Tulsa, Oklahoma 74136  
**Phone Number:** 918.583.7701  
**Emergency Phone Number:** CHEMTREC: 800.424.9300

### Recommended Use of Chemical

**Chemical Services:** Component in drilling mud production.  
**Use Restrictions:** N/A

## Section 2: Hazard(s) Identification

*Identification of the hazards of the chemical presented and the appropriate warning information associated with those hazards.*

**Hazard Classification:** C.4.2 & C.4.3 Acute Toxicity - Dermal & Inhalation:  
Hazard Category 4

**Signal Word:** Warning

**Hazard Statement(s):** Harmful in contact with skin and/or inhaled

**Pictogram(s):**



Exclamation Mark

**Precautionary Statement(s):**

Prevention: Wash thoroughly after handling. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

Response: If inhaled, remove person to fresh air. If on skin, wash with plenty of water. Wash contaminated clothing before reuse.

Storage: Well ventilated area, keep container tightly closed.

**Description of any hazards not otherwise classified:**

Slipping hazard if wet.

### Mixture Identification (if toxicity is unknown)

**Percentage of the mixture consisting of ingredient(s) with unknown toxicity:** N/A

*Note: this is a total percentage of the mixture and not tied to the individual ingredient(s).*

### Section 3: Composition/Information on Ingredients

*Identification of the ingredient(s) contained in the product, including impurities and stabilizing additives. This section includes information on substances, mixtures and all chemicals where a trade secret is claimed.*

#### Substances

This chemical is a mixture

#### Mixtures

<b>Chemical Names and Concentrations:</b>	Component	STEL (ppm)	STEL (mg/m <sup>3</sup> )	CAS#
	Petroleum Distillates	400	1600	64742-47-8
	Ethoxylated Alcohols: NJ Reg #99783600			5001P
	Hydrotreated Heavy Naphthenic Distillate	400	1600	64742-52-5

**Common Name:** N/A

**Synonym(s):** N/A

**Chemical Abstract Service (CAS) Number:** 64742-47-8, 5001P, 64742-52-5

**Any other unique identifiers:**

**Impurities and stabilizing additives (which are themselves classified and which contribute to the classification of the chemical):** None

#### Recommended Use of Chemical

**Chemical Services:** Component in drilling mud production.

**Use Restrictions:** N/A

#### Trade Secret

**Is the specific chemical identity and/or exact concentration of composition withheld as a trade secret?** Yes

### Section 4: First-Aid Measures

*Description of the initial care that should be given by untrained responders to an individual who has been exposed to the chemical.*

#### Necessary first-aid instructions

<b>Inhalation:</b>	Remove individual to fresh air. If symptoms persist, consult a physician.
<b>Acute Symptoms of Inhalation:</b>	None
<b>Delayed Symptoms of Inhalation:</b>	Prolonged or repeated exposure may irritate respiratory tract and result in headache or dizziness.
<b>Skin Contact:</b>	Remove contaminated clothing and launder before reuse. Wash effected area with soap and water.
<b>Acute Symptoms of Skin Contact:</b>	None
<b>Delayed Symptoms of Skin Contact:</b>	Prolonged or repeated skin contact tends to remove skin oils, possibly leading to dry skin, irritation and/or dermatitis.
<b>Eye Contact:</b>	Immediately flush eyes with plenty of water for at least fifteen (15) minutes. Contact a physician.
<b>Acute Symptoms of Eye Contact:</b>	Irritation and/or redness
<b>Delayed Symptoms of Eye Contact:</b>	None.
<b>Ingestion:</b>	Consult a physician. Never give anything by mouth to the individual, if unconscious.
<b>Acute Symptoms of Ingestion:</b>	Possible nausea, headache and/or dizziness.
<b>Delayed Symptoms of Ingestion:</b>	None.
<b>Immediate Medical Care / Special Treatment</b>	
<b>Is immediate medical care or special treatment required?</b>	No
<b>If so, what is needed:</b>	N/A

### Section 5: Fire-Fighting Measures

Recommendations for fighting a fire caused by or including the chemical.

<b>Suitable Extinguishing Equipment:</b>	Carbon dioxide, dry chemical or foam
<b>Extinguishing equipment not appropriate:</b>	Water
<b>Specific hazards created from chemical burning:</b>	Wet product presents and extreme slip hazard, pedestrian and vehicular traffic must proceed with caution where even a small amount of wet product may exist.
<b>Special protective equipment needed:</b>	Firefighters should wear normal protective equipment. SCBA is recommended for confined areas. Cool exposed drums or tanks with water.

### Section 6: Accidental Release Measures

*Recommendations on the appropriate response to spills, leaks, or releases; including containment and cleanup practices to prevent or minimize exposure to people, properties, or the environment.*

<b>Personal Precautions:</b>	Avoid high temperatures and open systems to minimize vapor release and exposures. Keep containers closed and properly labeled.
<b>Emergency Procedure(s):</b>	Remove all ignition sources
<b>Method(s) and material(s) used for containment:</b>	Dike area to control runoff, and collect spill in appropriate container(s). Use inert absorbent such as vermiculite to collect residual liquid.
<b>Cleanup procedure(s):</b>	Once all of the spill is collected within appropriate container(s), water wash area to waste treatment to eliminate slip hazard.

### Section 7: Handling and Storage

*Guidance on the safe handling practices and conditions for safe storage of the chemical.*

<b>Handling precautions:</b>	Chemical resistant gloves, full sideshield safety goggles, NIOSH approved respirator for organic vapor and/or mist as required to control exposure.
<b>Hygiene practices:</b>	Do not eat, drink or smoke around chemical or after handling chemical before washing hands.
<b>Safe storage recommendation:</b>	Recommended general ventilation rate of, as a minimum, 10 air changes per hour. Keep away from high temperatures.
<b>Incompatible storage options:</b>	Do not leave container open or unlabelled. If ventilated area is not an option, use approved respirator.

### Section 8: Exposure Controls/Personal Protection

*Identification of the exposure limits, engineering controls, and personal protective measures that can be used to minimize worker exposure.*

<b>OSHA Permissible Exposure Limits (PELs):</b>	350 mg/m <sup>3</sup> TWA 1,800 mg/m <sup>3</sup> Ceiling (15 minutes)
<b>American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs):</b>	N/A
<b>Exposure limit (recommended by manufacturer, importer or employer):</b>	N/A
<b>Appropriate Engineering Controls:</b>	Store in well ventilated area with container closed completely. Avoid high temperatures.
<b>Recommendations for personal protective measures:</b>	If proper ventilation is not available, use NIOSH approved respirator for organic vapor and/or mist. Wear chemical resistant gloves and full sideshield safety goggles.
<b>Special requirements of PPE, protective clothing or respirators:</b>	N/A

## Section 9: Physical and Chemical Properties

*Identification of physical and chemical properties associated with the substance or mixture.*

<b>Appearance (Physical State):</b>	Liquid
<b>Color:</b>	White / Off-White
<b>Odor:</b>	Slight, mild odor
<b>Odor Threshold:</b>	Not regulated
<b>Vapor Pressure:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>pH:</b>	N/A
<b>Relative Density:</b>	N/A
<b>Melting Point:</b>	N/A
<b>Freezing Point:</b>	N/A
<b>Solubility(ies):</b>	Solubility limited by viscosity
<b>Initial Boiling Point:</b>	550°F
<b>Boiling Range:</b>	N/A
<b>Flash Point:</b>	200°F
<b>Evaporation Rate:</b>	< 1
<b>Flammability:</b>	1
<b>Upper/lower flammability or explosive limits:</b>	N/A
<b>Partition Coefficient:</b>	N/A
<b>Auto-Ignition Temperature:</b>	N/A
<b>Decomposition Temperature:</b>	N/A
<b>Viscosity:</b>	N/A

### Section 10: Stability and Reactivity

*Description of the reactivity hazards of the chemical and the chemical stability information.*

#### Reactivity

<b>Description of specific test data:</b>	N/A
<b>Chemical Stability</b>	
<b>Is the chemical stable or unstable:</b>	Stable
<b>Stabilizers needed to maintain chemical stability:</b>	None.
<b>Safety issues that may arise should the chemical change in physical appearance:</b>	N/A
<b>Other</b>	
<b>Conditions in which hazardous reactions may occur:</b>	High temperatures. Contact with strong oxidants such as liquid chlorine, enriched gaseous or liquid oxygen and sodium or calcium hypochlorite.
<b>Possibility of hazardous reactions:</b>	Low possibility.
<b>Will chemical react or polymerize:</b>	No
<b>Will chemical release pressure, heat, or any other hazardous conditions:</b>	If wet, chemical becomes a slipping hazard to both individuals and vehicles.
<b>Conditions to avoid:</b>	High temperatures. Contact with strong oxidants such as liquid chlorine, enriched gaseous or liquid oxygen and sodium or calcium hypochlorite.
<b>Class(es) of incompatible material(s):</b>	Strong oxidants, enriched gaseous or liquid oxygen, sodium and calcium hypochlorite.
<b>Known or anticipated hazardous decomposition products produced because of storage, use, or heating:</b>	N/A

### Section 11: Toxicological Information

*Identification of toxicological and/or health effects.*

<b>Likely routes of exposure:</b>	Inhalation, Skin Contact, Eye Contact
<b>Delayed, immediate or chronic effects of short-term exposure:</b>	Skin and/or eye irritation. Nausea and/or vomiting.
<b>Delayed, immediate or chronic effects of long-term exposure:</b>	If untreated, skin and eye irritation worsen to cause damage to skin and eyes. Sickness may worsen if physician is not contacted.
<b>Numerical measurement of toxicity:</b>	Health: 1, Flammability: 1, Reactivity: 0
<b>Description of symptoms (lowest to most severe):</b>	Skin/Eye irritation Nausea/Vomiting Headache or Dizziness
<b>Is chemical listed in the National Toxicology Program (NTP) Report on Carcinogens:</b>	Not listed.
<b>Has chemical been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs:</b>	Not listed.
<b>Has chemical been found to be a potential carcinogen by OSHA:</b>	Not listed.

### Section 12: Ecological Information (non-mandatory)

*Information to evaluate the environmental impact of the chemical if it were released to the environment.*

<b>Toxicity test results performed on aquatic and/or terrestrial organisms:</b>	None.
<b>Does the chemical have the potential to degrade the environment (biodegradation, oxidation, hydrolysis, etc.):</b>	No.
<b>Bioaccumulation test results:</b>	N/A
<b>Potential of chemical moving from soil to the groundwater:</b>	Low potential, viscosity prevents liquid from penetrating soil.
<b>Other adverse effects:</b>	N/A

### Section 13: Disposal Considerations (non-mandatory)

*Guidance on proper disposal practices, recycling or reclamation of the chemical or its container. Safe handling practices to minimize exposure. (Refer to section 8 for more information)*

<b>Appropriate disposal containers:</b>	Plastic or metal
<b>Appropriate disposal methods:</b>	Is not RCRA regulated; however, local regulations may apply.
<b>Physical and chemical properties that may affect disposal activities:</b>	Chemical leaves residue
<b>Special precautions for landfills or incineration activities:</b>	N/A
<b>Is it advisable to utilize sewage disposal for this chemical:</b>	No

### Section 14: Transport Information (non-mandatory)

*Guidance on classification information for shipping and transporting the chemical by road, air, rail, or sea.*

This product is not a DOT/IMO Hazardous Material.

## Section 15: Regulatory Information (non-mandatory)

*Identification of safety, health and environmental regulations specific for the chemical that is not indicated anywhere else on this SDS.*

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

**Clean Air Act - Hazardous Air Pollutants (HAP):** This product does not contain any chemicals listed within the Hazardous Air Pollutants.

**Clean Air Act - Ozone Depleting Substances (ODS):** This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpart A, App. A+B).

**Clean Water Act - Priority Pollutants (PP):** This product does not contain any PP listed under the U.S. Clean Water Act, Section 307 (2)(1) PP List (40 CFR 401.15).

**Occupational Safety and Health Act (OSHA):** The OSHA Hazard Communication Standard (29 CFR 1910.1200) defines this chemical as C.4.2 & C.4.3 Acute Toxicity - Dermal & Inhalation: Hazard Category 4. For more information, see Section 2 of this SDS.

**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).

**Superfund Amendments and Reauthorization Act (SARA) Title III: Section 302 - Extremely Hazardous Substances (EHS):** This product does not contain any chemicals regulated under Section 302 (40 CFR 355) as extremely hazardous substances.

**Superfund Amendments and Reauthorization Act (SARA) Title III: Section 304 - CERCLA:** This product does not contain any chemicals regulated under Section 304 (40 CFR 302) as hazardous substance(s) for emergency release notification.

**Superfund Amendments and Reauthorization Act (SARA) Title III: Section 311/312 - Hazard Communication Standard (HCS):** This product is not regulated under Section 3-1-312 (40 CFR 370).

**Superfund Amendments and Reauthorization Act (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:** The following chemical(s) are subject to a Section 5(3) Consent Order for Significant New Use Rule (SNUR):

Chemical Name: Petroleum Distillates

CASRN: 64742-47-8

Percent in Composition: Trade Secret

Chemical Name: Hydrotreated Heavy Naphthenic Distillates

CASRN: 64742-52-5

Percent in Composition: Trade Secret

**TSCA Section 8(b) - Inventory Status:** The following chemical(s) are subject to TSCA Section 8(b):

Chemical Name: Petroleum Distillates

CASRN: 64742-47-8

Percent in Composition: Trade Secret

Chemical Name: Hydrotreated Heavy Naphthenic Distillate

CASRN: 64742-52-5

Percent in Composition: Trade Secret

**TSCA Section 12(b) - Export Notification:** This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

**Items in red require immediate attention.**



### Section 16: Other Information

**Date of SDS Preparation:** October 2, 2013

**Revision Date:**

**Changes from previous version:**

**Other useful information:**

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, expressed or implied, and we assume no responsibility for any damage or expense.