

Safety Data Sheet

Prepared for:

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

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Section 1: Identification

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

Product Identifier: Alcomer 74-L / ANCO Thin HT-L

Common Name(s): Sodium Salt of Acrylic Polymer

Chemical Family: Anionic Acrylate Copolymer

Synonyms: ANCO 74-L, Hyperdrill DF 2020

Manufacturer, Importer, and/or Responsible Party Information

Name: Anchor Drilling Fluids USA, Inc.

Address: 2431 East 61st Street, Suite 710, Tulsa, Oklahoma 74136

Phone Number: 918.583.7701

Emergency Phone Number: CHEMTREC: 800.424.9300

Recommended Use of Chemical

Chemical Services: Control agent in water based drilling fluids.

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.4.3 Acute Toxicity - Inhalation: Hazard Category 3

Signal Word: Danger

Hazard Statement(s): Toxic if inhaled

Pictogram(s):



Skull and crossbones

Precautionary Statement(s):

Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray.

Response: If inhaled: remove person to fresh air and keep comfortable for breathing. Contact physician.

Storage: Store in a well-ventilated place. Keep container tightly closed.

Description of any hazards not otherwise classified: N/A

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

Chemical Names: Sodium Salt of Acrylic Polymer

Common Names: N/A

Synonyms: ANCO 74-L, Hyperdrill DF 2020

Chemical Abstract Service (CAS) Numbers:

Any other unique identifiers: N/A

Impurities and stabilizing additives (which are themselves classified and which contribute to the classification of the chemical): N/A

Mixtures

Product is a substance

Recommended Use of Chemical

Chemical Services: Control agent in water based drilling fluids.

Use Restrictions: N/A

Trade Secret

Is the specific chemical identity and/or exact concentration of composition withheld as a trade secret? No

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

Inhalation: Remove individual to fresh air. Consult physician.

Acute Symptoms of Inhalation: Residual monomer vapors may be irritating to the nose, throat, and respiratory tract producing symptoms of nausea in poorly ventilated areas.

Delayed Symptoms of Inhalation: N/A

Skin Contact: Wash affected skin with soap and water. Consult physician.

Acute Symptoms of Skin Contact: Slightly irritating to skin.

Delayed Symptoms of Skin Contact: N/A

Eye Contact: Wash eyes with large amounts of water for at least fifteen (15) minutes. Consult physician.

Acute Symptoms of Eye Contact: Possibly irritating to eyes.

Delayed Symptoms of Eye Contact: N/A

Ingestion: Dilute by drinking two (2) glasses of water and consult physician.

Acute Symptoms of Ingestion: Nausea and vomiting may occur.

Delayed Symptoms of Ingestion: N/A

Immediate Medical Care / Special Treatment

Is immediate medical care or special treatment required? No

If so, what is needed: N/A

Section 5: Fire-Fighting Measures

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

Suitable Extinguishing Equipment: Water, foam, carbon dioxide or dry chemicals

Extinguishing equipment not appropriate: N/A

Specific hazards created from chemical burning: The chemical may spatter if temperature exceeds boiling point (100°F/212°C). Dried polymer films are capable of burning.

Special protective equipment needed: Wear self-contained breathing apparatus while extinguishing fire.

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.

Personal Precautions: Wear rubber gloves and safety goggles. Avoid breathing vapors and avoid skin contact.

Emergency Procedure(s): Use absorbent material to contain spill and prevent further environmental impact. Once the spill is contained, begin cleanup.

Method(s) and material(s) used for containment: Absorbent material and drums. Large methods are not necessary (i.e., dike construction).

Cleanup procedure(s): Soak up spills with absorbent material and scoop into drums. Use caution for slippery flooring.

Section 7: Handling and Storage

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

Handling precautions: Wear impervious gloves and safety goggles. No respiratory protection needed if in well ventilated area, otherwise wear self-contained breathing apparatus.

Hygiene practices: Do not eat, drink or smoke around chemical or after handling chemical before washing hands.

Safe storage recommendation: Store in location with local or mechanical exhaust.

Incompatible storage options: Any location in high temperature and/or with poor ventilation.

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.

OSHA Permissible Exposure Limits (PELs): Not a health hazard as defined by OSHA.

American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs): Not reported within the ACGIH TLVs printed 2013

Exposure limit (recommended by manufacturer, importer or employer): Not hazardous

Appropriate Engineering Controls: Recommended general ventilation rate of 10 air changes per hour at minimum.

Recommendations for personal protective measures: Wear impervious gloves and safety goggles. No respiratory protection needed if in well ventilated area, otherwise wear self-contained breathing apparatus.

Special requirements of PPE, protective clothing or respirators: N/A

Section 9: Physical and Chemical Properties

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

Appearance (Physical State): Aqueous Solution

Color: Light to Amber

Odor: None to slight odor

Odor Threshold: Not regulated

Vapor Pressure: N/A

Vapor Density: N/A

pH: 6.0 to 7.0

Relative Density: Not evaluated

Melting Point: N/A

Freezing Point: Not evaluated

Solubility(ies): Complete

Initial Boiling Point: 212°F / 100°C

Boiling Range: Not evaluated

Flash Point: N/A

Evaporation Rate: 1.00 (Water = 1)

Flammability: N/A

Upper/lower flammability or explosive limits: N/A

Partition Coefficient: N/A

Auto-Ignition Temperature: N/A

Decomposition Temperature: Not evaluated

Viscosity: N/A

Section 10: Stability and Reactivity	
<i>Description of the reactivity hazards of the chemical and the chemical stability information.</i>	
Reactivity	
Description of specific test data:	None
Chemical Stability	
Is the chemical stable or unstable:	Stable
Stabilizers needed to maintain chemical stability:	None
Safety issues that may arise should the chemical change in physical appearance:	N/A
Other	
Conditions in which hazardous reactions may occur:	Thermal decomposition may release carbon dioxide and carbon monoxide.
Possibility of hazardous reactions:	Low possibility.
Will chemical react or polymerize:	No
Will chemical release pressure, heat, or any other hazardous conditions:	May release CO ₂ or CO during thermal decomposition.
Conditions to avoid:	Strong oxidizers and temperature extremes.
Class(es) of incompatible material(s):	No Information Available
Known or anticipated hazardous decomposition products produced because of storage, use, or heating:	CO ₂ and CO

Section 11: Toxicological Information	
<i>Identification of toxicological and/or health effects.</i>	
Likely routes of exposure:	Vapor inhalation, contact with skin or eyes, or ingestion.
Delayed, immediate or chronic effects of short-term exposure:	Irritating to skin and eyes, ingestion and inhalation cause nausea and possibly vomiting.
Delayed, immediate or chronic effects of long-term exposure:	Irritating to skin and eyes, ingestion and inhalation cause nausea and possibly vomiting.
Numerical measurement of toxicity:	Health: 1, Flammability: 0, Reactivity: 0
Description of symptoms (lowest to most severe):	Skin/Eye Irritation Nausea Vomiting
Is chemical listed in the National Toxicology Program (NTP) Report on Carcinogens:	No
Has chemical been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs:	No
Has chemical been found to be a potential carcinogen by OSHA:	No

Section 12: Ecological Information (non-mandatory)

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

Toxicity test results performed on aquatic and/or terrestrial organisms: Product not considered toxic to aquatic organisms.

Does the chemical have the potential to degrade the environment (biodegradation, oxidation, hydrolysis, etc.): No

Bioaccumulation test results: N/A

Potential of chemical moving from soil to the groundwater: Low probability: Amount of chemical stored on site, if spilled, would dissipate before reaching groundwater.

Other adverse effects: 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)

Appropriate disposal containers: Non-hazardous waste: follow local, state and federal regulations for disposal.

Appropriate disposal methods: See above.

Physical and chemical properties that may affect disposal activities: None

Special precautions for landfills or incineration activities: None.

Is it advisable to utilize sewage disposal for this chemical: 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 CWC schedules of chemicals.

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

Chemical Name: Acrylic Acid (impurity)

CASRN: 7-10-7

Percent in Composition: < 0.5% by weight

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.4.3 Acute Toxicity - Inhalation: Hazard Category 3. 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 contains the following chemicals regulated under Section 304 (40 CFR 302) as hazardous substance(s) for emergency release notification. ("CERCLA" List):

Chemical Name: Acrylic Acid (impurity)

CASRN: 79-10-7

Percent in Composition: < 0.5% by weight

Component RQ: 5000

Superfund Amendments and Reauthorization Act (SARA) Title III: Section 311/312 - Hazard Communication Standard (HCS): This product is not regulated under Section 311-312 (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: This product is not subject to a Section 5(3) Consent Order for Significant New use Rule (SNUR).

TSCA Section 8(b) - Inventory Status: All chemical(s) comprising this product are either exempt or not 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.

Items in red require immediate attention.

Section 16: Other Information

Date of SDS Preparation: August 20, 2012

Revision Date: N/A

Changes from previous version: N/A

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.