

SAFETY DATA SHEET

OSHA Hazard Communication Standard 29 CFR
1910.1200 Prepared to GHSRev03

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Common Name: FRICTION REDUCER DRY

Trade Name: FLOWRITE AD-20

Supplier: SNAP ENERGY VENTURES
600 Rustic Ridge Ct
Southlake, TX 76092
PHONE: +1 817-691-3671
Fax: +1 817-887-3737

In Case of Emergency:
INFOTRAC
United States & Canada
1-800-535-5053
International
1-352-323-3500

Chemical Family: ANIONIC POLYACRYLAMIDE POWDER

Material Uses: FRICTION REDUCER, FLOCCULANT

2. HAZARDS IDENTIFICATION

OSHA HAZARDS:

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS Label Elements and Hazard Statements:

Signal word: **WARNING**



Hazard Statements - May form combustible dust concentrations in air.
Will make surface slippery when wet.

GHS Precautionary Statements:

Prevention:

P264 – Wash hands and other exposed skin thoroughly after handling.



Safety Data Sheet

FlowRite AD-20

P260 – Do not breathe dust/fume/gas/mist/vapors/spray.

P280 – Wear protective gloves/clothing/eye protection/face protection.

Response:

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing cautiously. If irritation persists, get medical attention.

P302+P352+P362 – IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical attention.

P304+P340 – Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage:

P233+P102 – Keep container tightly closed. Keep out of reach of children.

Keep work areas free of dust accumulation. Enclosed material handling equipment (conveyers, ventilation, precipitators, etc.) must be designed and maintained so as not to be a source of ignition.

P103 – Read label before use.

Other:

PBT & vPvB: Safety assessment not required.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

CAS#	Hazardous Components (Chemical Name)	Concentration
Proprietary	Trade Secret Ingredient	60 – 100%

For full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

General Advice:

Consult the POISON CENTER or a physician if you feel unwell. Show this safety data sheet to the doctor in attendance.

Eye Contact:

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Washing within one minute of contact is essential to minimize risk. Get medical advice or attention if irritation persists.

**Skin Contact:**

Take off contaminated clothing and wash before reuse. Wash skin with plenty of soap and water. If skin irritation occurs or redness, rash or blistering is observed, get medical advice or assistance.

Inhalation:

If breathing is difficult, remove person to fresh air and keep at rest comfortable for breathing. If person is not breathing, please call 911 and then give artificial respiration.

Ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water. DO NOT induce vomiting. If vomiting occurs, keep airway clear.

5. FIREFIGHTING MEASURES

Suitable Extinguishing media:

In case of fire: Use foam, carbon dioxide or dry powder. Do not use water jet.

Special Protective Equipment and Advice for Fire Fighters:

Use approved self-contained breathing apparatus with fighting fire in an enclosed area. Adopt standard procedure for containment of chemical fires. Keep the containers cool by using water spray.

Special Hazards Arising From the Substance or Mixture:

Hazardous Combustion Products – None anticipated.

Explosion Data:

Sensitivity to Mechanical Impact – None.

Sensitivity to Static Discharge – No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Use personal protective equipment such as gloves, safety glasses and appropriate aprons is recommended.

Environmental Precautions:

As with all chemical products, do not release into environment. Inform authorities in the event of product spillage to water courses or sewage systems.



Methods and Materials for Containment and Clean Up:

Methods for Containment – Prevent further leakage or spillage if safe to do so.

Methods for Clean Up - Do not flush with water. Clean up promptly by scoop or vacuum. Wash vacuumed area with water.

7. HANDLING AND STORAGE

Handling:

Use good industrial hygiene practices while handling this product. Avoid contact with skin, eyes and clothing. Wear appropriate personnel protective equipment and use in well ventilated areas.

Storage:

Keep container tightly closed in a dry, cool and well ventilated place. Keep container upright and avoid leakage. Storage life is 2 years at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Exposure Guidelines –

Component	CAS#	Weight %	ACGIH TLV	OSHA PEL	NIOSH IDLH
Trade Secret	Proprietary	60 – 100%	Long term 10 ^{^^/3*}	Long term 15 ^{^/10*}	----

^^Inhalable Dust / ^Total Dust / *Respirable Dust

Engineering Controls – Local exhaust ventilation as necessary to maintain exposure to within applicable limits. Please refer to the ACGIH document: “Industrial Ventilation, A Manual of Recommended Practices”, most recent edition for details. If there are no applicable or established exposure limit requirement or guidelines, general ventilation should be sufficient.

Personal Protection:

Respiratory Protection – No protective equipment is required. An approved dust mask should be used if exposure levels are anticipated to be above the “exposure guidelines” limits.

Hand Protection – Appropriate chemical resistant gloves (leather, PVC, neoprene or natural rubber) must be used.

Eye/Face Protection – Goggles and face shield should be used. Do not wear contacts when handling this product.

Skin and Body Protection – None required.



Hygiene Measures – Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Other Personal Protection Data – Eyewash fountains and safety showers must be easily accessible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid powder	Evaporation Rate:	No data available
Color:	White	Odor:	None
Appearance:	White powder	VOC (wt%):	No data available
pH:	6.0 – 8.0 (0.1% solution)	Flammability:	No data available
Relative Density:	0.45 – 0.7 g/mL	Vapor Pressure:	No data available
Boiling Point:	No data available	Vapor Density:	No data available
Flash Point:	No data available	Specific Gravity:	0.45 – 0.7
Melting Point:	No data available	Solubility (Water):	Soluble
Freeze Point:	No data available		
Dynamic Viscosity:	No data available		

10. STABILITY AND REACTIVITY DATA

Stability:

Stable under recommended storage, handling and transportation conditions.

Conditions to Avoid – Incompatible materials.

Materials to Avoid – Oxidizing agents.

Reactivity:

Hazardous Decomposition Products – Carbon monoxide, Carbon dioxide, other.

Possible Hazardous Reactions – None under normal conditions.

Hazardous Polymerization – Will not occur.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure:

Eyes – Likely eye irritation.

Skin – None.

Ingestion – May result in gastrointestinal irritation.

Inhalation – May cause respiratory irritation.



Safety Data Sheet

FlowRite AD-20

Acute Toxicity – Product:

Oral LD50: >2000 mg/kg (Rat)
Dermal LD50: No data available
Inhalation LC50: No data available

Information on Toxicological Effects:

Symptoms – No data available

Delayed & Immediate Effects and Chronic Effects from Short & Long Term Exposure:

Skin Corrosion/Irritation – None.

Eye Damage/Irritation – May cause eye irritation if in contact.

Sensitization – None.

Germ Cell Mutagenicity – No data available.

Carcinogenicity – This product does not contain any components in concentrations greater than or equal to 0.1% that are listed as known or suspected carcinogens by NTP, IARC, ACGIH or OSHA.

Reproductive Toxicity – No data available.

Specific Target Organ Toxicity (Single Exposure) – No data available.

Specific Target Organ Toxicity (Repeated Exposure) – No data available.

Aspiration Hazard – No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Harmful to aquatic life with long lasting effects.

Acute Aquatic Toxicity – Product:

Fish: No data available.
Crustacea: No data available.
Algae/Aquatic Plants: No data available.

Persistence and Degradability:

No data available.

Bioaccumulative Potential:

This product has low potential for bioaccumulation.

Mobility:

No data available.

**Results of PBT and vPvB Assessment:**

No data available as chemical safety assessment not required.

Other Effects:

No other ecological studies have been carried out on this product.

13. DISPOSAL CONSIDERATIONS

Product:

Dispose in accordance with local, state and federal agencies. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION

DOT: Not regulated

IMDG: Not regulated

IATA/ICAO: Not regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations:

CERCLA – This material as supplied does not contain any substance regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA, 40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA, 40 CFR 355). There may be specific reporting requirements at the local, regional or state level pertaining to releases of this material.

CWA (Clean Water Act) – This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (CWA, 40 CFR 122.21 and 40 CFR 122.42).

SARA 313 – This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels as established by SARA Title III (40 CFR 372).

SARA 311/312 Hazard Categories



Safety Data Sheet

FlowRite AD-20

Acute Health Hazard: No
Chronic Health Hazard: No
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

U.S State Regulations:

California Prop.65 – The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

U.S State Right-to-Know Regulations:

This product does not contain any substances regulated under applicable state right-to-know regulations.

International Inventories:

USA (TSCA) – All components of this product are either listed on the U.S Toxic Substances Control Act (TSCA) inventory of chemicals or are otherwise compliant with TSCA regulations.

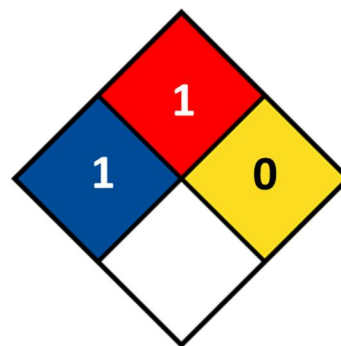
Canada (DSL) – All components of this product are either listed on the inventory or are exempt from listing.

16. OTHER INFORMATION

HMIS (USA):

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	B

NFPA (USA):



Text of H-code(s) and R-phrase(s) mentioned in Section 3.



Safety Data Sheet

FlowRite AD-20

Notice to Reader

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