



SAFETY DATA SHEET

Issue Date No data available

Revision Date 23-Mar-2016

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Code 13970
Product Name Wetting Agent

Other means of identification

Recommended use of the chemical and restrictions on use

Use only for the purpose on the product label.

Details of the supplier of the safety data sheet

Manufacturer / Manufactured For

Polymer Drilling Systems
105 W. Sharp Street
El Dorado, AR 71731
800-243-7455

Emergency telephone number

24 Hour Emergency Phone Number 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification

| | |
|-----------------|------------|
| Carcinogenicity | Category 2 |
|-----------------|------------|

Label elements

Emergency Overview

Warning

Hazard statements

Suspected of causing cancer



Appearance Pink

Physical state Viscous Liquid

Odor Lemon

Precautionary Statements - Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Precautionary Statements - Response

Specific Treatment (See Section 4 on the SDS).

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Drink plenty of water.

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed. Store in a cool, dry place away from strong oxidizing agents. Keep locked up and out of the reach of children.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)

Other Information

Unknown Acute Toxicity 0.08% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | Weight-% | Trade Secret |
|---------------------------------|------------|----------|--------------|
| Sodium Dodecylbenzene Sulfonate | 25155-30-0 | 1-5 | * |
| Tetrapotassium Pyrophosphate | 7320-34-5 | 1-5 | * |
| Cocamide DEA | 68603-42-9 | 1-5 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

| | |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Skin Contact | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician. |
| Eye contact | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If irritation persists, call a physician. |
| Inhalation | If mists/vapors are formed or irritation occurs, leave area and do not return until mists/vapors have dissipated. If irritation persists, see a physician. |
| Ingestion | Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. If irritation persists, see a physician. |

Most important symptoms and effects, both acute and delayed

| | |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms | May cause irritation of gastrointestinal tract. May cause respiratory irritation. May cause eye irritation. Prolonged or repeated contact may be drying to skin. |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Note to physicians | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No Information available.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full

protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

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

Methods for cleaning up Contain spill. Dilute spilled material with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|----------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Diethanolamine 111-42-2 | TWA: 1 mg/m ³ inhalable fraction and vapor S* | (vacated) TWA: 3 ppm (vacated) TWA: 15 mg/m ³ | TWA: 3 ppm TWA: 15 mg/m ³ |
| Dichloromethane (methylene chloride) 75-09-2 | TWA: 50 ppm | TWA: 25 ppm (vacated) TWA: 500 ppm (vacated) STEL: 2000 ppm 5 min in any 3 h (vacated) Ceiling: 1000 ppm STEL: 125 ppm see 29 CFR 1910.1052 | IDLH: 2300 ppm |
| 1,3-Dichloropropene 542-75-6 | TWA: 1 ppm S* | (vacated) TWA: 1 ppm (vacated) TWA: 5 mg/m ³ (vacated) S* | TWA: 1 ppm TWA: 5 mg/m ³ |

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls Showers, Eyewash stations & Ventilation systems.

Individual protection measures, such as personal protective equipment

| | |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye/face protection | Wear safety glasses with side shields (or goggles). |
| Skin and body protection | Wear chemical resistant gloves. |
| Respiratory protection | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators or air purifying respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |
| General Hygiene | Handle in accordance with good industrial hygiene and safety practice. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|-----------------------|--------------------------|
| Physical state | Viscous Liquid |
| Appearance | Pink |
| Odor | Lemon |
| Odor threshold | No Information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------------------------|--------------------------|-------------------------|
| pH | 8.0-10.0 | |
| Specific Gravity | 1.036 | |
| Viscosity | 145 cP | |
| Melting point/freezing point | No Information available | |
| Boiling point / boiling range | 212 ° F | |
| Flash point | N/A | |
| Evaporation rate | < 1 | (butyl acetate = 1) |
| Flammability (solid, gas) | No Information available | |
| Upper flammability limit: | N/A | |
| Lower flammability limit: | N/A | |
| Vapor pressure | N/A | |
| Vapor density | N/A | |
| Water solubility | Complete | |
| Partition Coefficient (n-octanol/water) | No Information available | |
| Autoignition temperature | No Information available | |
| Decomposition temperature | No Information available | |

Other Information

| | |
|------------------------|--------------------------|
| Density Lbs/Gal | No Information available |
| VOC Content (%) | 0.07 |

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Elevated temperature.

Incompatible materials

Strong oxidizing agents.

Hazardous Decomposition Products

Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|--------------------|
| Product Information | No data available |
| Inhalation | No data available. |
| Eye contact | No data available. |
| Skin Contact | No data available. |
| Ingestion | No data available. |

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-----------------------------------------------|-----------------------------------------|-------------|-----------------|
| Sodium Dodecylbenzene Sulfonate 25155-30-0 | = 500 mg/kg (Rat) = 438 mg/kg (Rat) | - | - |
| Cocamide DEA 68603-42-9 | = 12400 µL/kg (Rat) | - | - |

Information on toxicological effects

Symptoms No Information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No Information available.
Germ cell mutagenicity No Information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|----------------------------|-------|----------|-----|------|
| Cocamide DEA 68603-42-9 | - | Group 2B | - | X |

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity No Information available.
STOT - single exposure No Information available.
STOT - repeated exposure No Information available.
Aspiration hazard No Information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 0.08% of the mixture consists of ingredient(s) of unknown toxicity.
The following values are calculated based on chapter 3.1 of the GHS document .

12. ECOLOGICAL INFORMATIONEcotoxicity

2.46% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Sodium Dodecylbenzene Sulfonate 25155-30-0 | - | 10.8: 96 h Oncorhynchus mykiss mg/L LC50 static | - |
| Tetrapotassium Pyrophosphate 7320-34-5 | - | 100: 96 h Oncorhynchus mykiss mg/L LC50 | 100: 48 h water flea mg/L EC50 |
| Cocamide DEA 68603-42-9 | - | 3.6: 96 h Brachydanio rerio mg/L LC50 semi-static | 4.2: 24 h Daphnia magna mg/L EC50 |
| Diethanolamine 111-42-2 | 7.8: 72 h Desmodemus subspicatus mg/L EC50 2.1 - 2.3: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 4460 - 4980: 96 h Pimephales promelas mg/L LC50 flow-through 600 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 1200 - 1580: 96 h Pimephales promelas mg/L LC50 static | 55: 48 h Daphnia magna mg/L EC50 |
| Sodium Sulfate | - | 13500: 96 h Lepomis macrochirus | 630: 96 h Daphnia magna mg/L |

| | | | |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 7757-82-6 | | mg/L LC50 13500 - 14500: 96 h Pimephales promelas mg/L LC50 3040 - 4380: 96 h Lepomis macrochirus mg/L LC50 static 6800: 96 h Pimephales promelas mg/L LC50 static | EC50 2564: 48 h Daphnia magna mg/L EC50 |
| Sodium Bicarbonate 144-55-8 | 650: 120 h Nitzschia linearis mg/L EC50 | 8250 - 9000: 96 h Lepomis macrochirus mg/L LC50 static | 2350: 48 h Daphnia magna mg/L EC50 |
| Hexamine 100-97-0 | - | 44600 - 55600: 96 h Pimephales promelas mg/L LC50 flow-through | 29868 - 43390: 48 h Daphnia magna mg/L EC50 |
| Dichloromethane (methylene chloride) 75-09-2 | 500: 96 h Pseudokirchneriella subcapitata mg/L EC50 500: 72 h Pseudokirchneriella subcapitata mg/L EC50 | 140.8 - 277.8: 96 h Pimephales promelas mg/L LC50 flow-through 193: 96 h Lepomis macrochirus mg/L LC50 flow-through 193: 96 h Lepomis macrochirus mg/L LC50 static 262 - 855: 96 h Pimephales promelas mg/L LC50 static | 1532 - 1847: 48 h Daphnia magna mg/L EC50 Static 190: 48 h Daphnia magna mg/L EC50 |
| 1,3-Dichloropropene 542-75-6 | 2.45 - 6.45: 96 h Pseudokirchneriella subcapitata mg/L EC50 3.12 - 10.5: 72 h Pseudokirchneriella subcapitata mg/L EC50 | 1.52 - 2.68: 96 h Pimephales promelas mg/L LC50 static 5.1 - 6.8: 96 h Lepomis macrochirus mg/L LC50 static 2: 96 h Oncorhynchus mykiss mg/L LC50 3.1 - 4.9: 96 h Oncorhynchus mykiss mg/L LC50 static 4.5: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.211 - 0.271: 96 h Pimephales promelas mg/L LC50 flow-through | 0.09: 48 h Daphnia magna mg/L EC50 0.063 - 0.129: 48 h Daphnia magna mg/L EC50 Static |

Persistence and degradability

No Information available.

Bioaccumulation

No Information available.

Other adverse effects

No Information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods**Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container.

US EPA Waste Number

U080 U084

| Chemical Name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|-------------------------------------------------|------|---------------------------------------------------------------------------------------|------------------------|------------------------|
| Dichloromethane (methylene chloride) 75-09-2 | U080 | Included in waste streams: F001, F002, F024, F025, F039, K009, K010, K156, K157, K158 | | U080 |
| 1,3-Dichloropropene 542-75-6 | U084 | | | U084 |

This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. TRANSPORT INFORMATION

The shipping classification information in this section (Section 14) is meant as a guide to the overall classification of the product. However, transportation classifications may be subject to change with changes in package size. Consult shipper requirements under 49 CFR, IATA and IMDG to assure regulatory compliance.

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories

| | |
|----------------------|-----------------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | Complies |
| ENCS | Does not comply |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | Complies |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List.

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

| | |
|------------------------------------------|----|
| Acute health hazard | No |
| Chronic Health Hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

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

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-----------------------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium Dodecylbenzene Sulfonate 25155-30-0 | 1000 lb | - | - | X |

CERCLA

This material, as supplied, does not contain any substances 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.

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|-----------------------------------------------|--------------------------|----------------|-------------------------------------------|
| Sodium Dodecylbenzene Sulfonate 25155-30-0 | 1000 lb | - | RQ 1000 lb final RQ RQ 454 kg final RQ |

US State Regulations

California Proposition 65

This product contains chemicals known to the state of California to cause cancer, or birth defects or other reproductive harm.

| Chemical Name | California Proposition 65 |
|----------------------------|---------------------------|
| Cocamide DEA - 68603-42-9 | Carcinogen |
| Diethanolamine - 111-42-2 | Carcinogen |
| Basic Violet #10 - 81-88-9 | Carcinogen |

| | |
|------------------------------------------------|------------|
| Dichloromethane (methylene chloride) - 75-09-2 | Carcinogen |
| 1,3-Dichloropropene - 542-75-6 | Carcinogen |

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|----------------------------------------------------|------------|---------------|--------------|
| Sodium Dodecylbenzene Sulfonate 25155-30-0 | X | X | X |
| Hexamine 100-97-0 | X | - | - |
| Basic Violet #10 81-88-9 | X | X | X |
| Dichloromethane (methylene chloride) 75-09-2 | X | X | X |
| 1,3-Dichloropropene 542-75-6 | X | X | X |

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION

HMIS Health hazards 1 Flammability 0 Physical hazards 0 Personal protection X

Legend

N/A - Not Applicable

N/E - Not Established

N/D - Not Determined

N/K - Not Known

Revision Date 23-Mar-2016

Revision Note SDS sections updated 2 4 15

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet