



MATERIAL SAFETY DATA

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : **Quik Flocc**
SYNONYMS : Nonionic polyacrylamide in water-in-oil emulsion
CHEMICAL FAMILY : Polyacrylamide copolymer
MOLECULAR FORMULA : Mixture
MOLECULAR WEIGHT : Mixture

PDSCo, P.O. BOX 507, WEST SHARP STREET, EL DORADO, AR 71730 USA
EMERGENCY PHONE: For emergency call PDSCo: 1 (800) 243-7455

2. COMPOSITION/INFORMATION ON INGREDIENTS

| OSHA REGULATED COMPONENTS | | | | |
|---------------------------|-------------|--------|-------------|-----------|
| COMPONENT | CAS. NO. | % | TWA/CEILING | REFERENCE |
| Petroleum distillate | 064742-47-8 | ~25.00 | 400 ppm | OSHA |
| Hydrotreated light | | | | |

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE AND ODOR : White, viscous, opaque liquid; slight hydrocarbon odor
STATEMENTS OF HAZARD : DANGER! CAUSES EYE BURNS AND SKIN IRRITATION

POTENTIAL HEALTH EFFECTS

EFFECTS OF OVEREXPOSURE:

The estimated acute oral (rat) LD50, acute dermal (rabbit) LD50, and 4-hour inhalation (rat) LC50 values for this material are > 5,000 ml/kg, > 2,000 ml/kg, > 20 ml/l respectively.

Direct contact with this material may cause severe eye and moderate skin irritation.

Refer to Section 11 for toxicology information on the OSHA regulated components of this product.

4. FIRST AID MEASURES

In case of skin contact, remove contaminated cloth without delay. Flush skin thoroughly with water. Do not reuse clothing without laundering.

In case of eye contact, immediately irrigate with plenty of water for 15 minutes. Obtain medical attention without delay.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT : >200⁰F (93.3⁰C) METHOD : Pensky-Martens Closed Cup
FLAMMABLE LIMITS
(% BY VOL) : Not available
AUTOIGNITION TEMP : Not available
DECOMPOSITION TEMP : Not available

EXTINGUISHING MEDIA AND FIRE FIGHTING INSTRUCTIONS

Use water spray, carbon dioxide or dry chemical to extinguish fires. Use water to keep containers cool. Wear self-contained, positive pressure breathing apparatus and full fire-fighting protective clothing. See Section 8 (Exposure Controls/Personal Protection) for special protective clothing.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Where exposure level is not known, wear NIOSH approved, positive pressure, self-contained respirator. Where exposure level is known, wear NIOSH approved respirator suitable for level of exposure. In addition to the protective clothing/equipment in Section 8 (Exposure Controls/Personal Protection), wear impervious boots. Spills of this product are very slippery. Spilled material should be absorbed onto an inert material and scooped up. The area should be thoroughly flushed with water and scrubbed to remove residual. If slipperiness remains, apply more dry-sweeping compound.

7. HANDLING AND STORAGE

Do not get in eyes, on skin, in clothing. Wash thoroughly after handling. To avoid product degradation and equipment corrosion, do not use iron, copper or aluminum container or equipment. This material reacts slowly with iron, copper, and aluminum, resulting in corrosion and product degradation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT (PPE)

Utilize a closed system process where feasible. Where this material is not used in a closed system, good enclosure and local exhaust ventilation should be provided to control exposure. Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use. Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water. Wear the special protective equipment specified below for operations where eye or skin contact can occur. Prevent contamination of skin or clothing when removing protective equipment. Provide eyewash fountain and safety shower in close proximity to points of potential exposure. Where exposures are below the PEL, no respiratory protective is required. Where exposures exceed the PEL, use respirator approved by NOISH or full protective suit with air supply appropriate for the material and level of exposure. See "GUIDE TO INDUSTRIAL RESPIRATORY PROTECTION" (NIOSH). Special protective equipment – To prevent skin contact, wear skin protection such as gloves, apron, workpants, long sleeve workshirt, or disposable coveralls. To prevent eye contact, wear eye protection such chemical splash proof goggles face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---------------------------|---|------------------------------------------------------------------|
| APPEARANCE AND ODOR | : | White, viscous, opaque liquid; slight hydrocarbon odor. |
| BOILING POINT | : | ~ 347 ⁰ F; ~ 175 ⁰ C (value for oil phase) |
| MELTING POINT | : | 0 ⁰ F; -18 ⁰ C |
| VAPOR PRESSURE | : | Not available |
| SPECIFIC GRAVITY | : | 1.0 |
| VAPOR DENSITY | : | Not available |
| % VOLATILE (BY WT) | : | ~ 70 |
| pH | : | ~ 4-6 |
| SATURATED IN AIR (BY VOL) | : | Not available |
| EVAPORATION RATE | : | <1 (Butyl Acetate = 1) |
| SOLUBILITY IN WATER | : | Appreciable |

10. STABILITY AND REACTIVITY

| | | |
|----------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------|
| STABILITY | : | Stable |
| CONDITIONS TO AVOID | : | None known |
| POLYMERIZATION | : | Will not occur |
| CONDITIONS TO AVOID | : | None known |
| INCOMPATIBLE MATERIALS | : | Strong oxidizing agents. This product reacts slowly with iron, copper, and aluminum, resulting in corrosion and product degradation. |
| HAZARDOUS DECOMPOSITION PRODUCTS | : | Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide, ammonia, and/or oxides or nitrogen. |

11. TOXICOLOGICAL INFORMATION

Toxicological information for the product is found under Section 3. HAZARDS IDENTIFICATION. Toxicological information on the OSHA regulated components of this product is as follow:

Acute overexposure to petroleum distillate vapors may cause eye and throat irritation. On direct skin contact, petroleum distillate may produce a severe skin irritation. Prolonged repeated exposure to petroleum distillate vapors may cause central nervous system damage as well as heart and blood disorders. The oral LD50 in the rat for various distillates ranges from 4.5 to greater than 25 ml/kg, and the inhalation LC50 in rats is about 15000 ppm. Aspiration of petroleum distillate may cause chemical pneumonitis. Overexposure to vapor may cause dizziness, drowsiness, headache, and nausea.

12. ECOLOGICAL INFORMATION

LC50

BLUEGILL, 96 HOUR: > 100.0 mg/L

TROUT, 96 HOUR: > 100.0 mg/L

OCTANOL/H₂O PARTITION COEF: Not available

13. DISPOSAL CONSIDERATIONS

Disposal must be made in accordance with applicable governmental regulations.

14. TRANSPORT INFORMATION

| | D.O.T SHIPPING INFORMATION | IMO SHIPPING INFORMATION |
|----------------------------------|--------------------------------------------------|-------------------------------------|
| SHIPPING NAME : | Not applicable/Not Regulated | Not applicable/Not Regulated |
| HAZARD CLASS/ PACKING GROUP : | Not applicable | Not applicable |
| UN NUMBER : | Not applicable | Not applicable |
| IMDG PAGE : | Not applicable | Not applicable |
| D.O.T HAZARDOUS SUBSTANCES : | (Product Reportable Quantity) Not applicable | Not applicable |
| TRANSPORT LABEL REQUIRED : | None required | None required |
| | ICAO/IATA | TRANSPORT CANADA |
| SHIPPING NAME : | Not applicable | Not applicable |
| HAZARD CLASS : | Not applicable | Not applicable |
| SUBSIDIARY CLASS : | Not applicable | Not applicable |
| UN / ID NUMBER : | Not applicable | Not applicable |
| PACKING GROUP : | Not applicable | Not applicable |
| TRANSPORT LABEL REQUIRED : | None required | None required |
| PACKING INSTRUCTIONS : | Passenger Not applicable Cargo Not applicable | Not applicable |
| MAX NET QTY : | Passenger Not applicable Cargo Not applicable | Not applicable |
| | ADDITIONAL TRASPOT INFORMATION | |
| TECHNICAL NAME (N.O.S.) : | Not applicable | |

15. REGULATORY INFORMATION**INVENTORY INFORMATION**

- US TSCA : This product is manufactured in compliance with all provisions of the Toxic Substances control Act, 15 U.S.C.
- CANASA DSL : Components of this product have been reported to Environment Canada in accordance with subsection 25 of the Canadian Environmental Protection Act and are included on the Domestic Substances List.
- EEC EINECS : Product was not required to be included in the European Inventory of Existing Chemical Substances [EINECS] since the product (or its components) was regarded to be a polymer by the EEC-Commission. This product fulfils the requirements of Council Directive 67/548/EEC, Amended 79/831/EEC.

OTHER ENVIRONMENTAL INFORMATION

The following components are defined as toxic chemicals subject to reporting requirements of Section 313 of Title III and of 40 CFR 372 or subject to other EPA regulations.

| COMPONENT | CAS. NO. | % | TPQ(lbs) | RQ (lbs) | S313 | RCRA | TSCA 12B |
|------------------|-------------|-------|----------|----------|------|------|----------|
| Ammonium Sulfate | 007783-20-2 | ~2.00 | None | None | Yes | None | No |

| PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA | | | | |
|--------------------------------------------------|-------------|----------|--------------|--------------|
| Acute (Y) | Chronic (N) | Fire (N) | Reactive (N) | Pressure (N) |

16. OTHER INFORMATION**NFPA HAZARD RATING (National Fire Protection Association)**

- Fire 1 : FIRE : Materials that must be preheated before ignition can occur.
- Health 2 : HEALTH : Materials which on exposure under fire conditions would offer no hazard beyond that of ordinary combustible material.
- 0 Reactivity : REACTIVITY : Materials which in themselves are normally stable, even under fire exposure conditions, and which are not reactive with water.
- Special

Reason for Issue: New Format

This information is given without any warranty or representation. We do not assume any legal responsibility for same, nor do we give permission, inducement, or recommendation to practice any patented invention without a license. It is offered solely for your consideration, investigation, and verification. Before using any product, read its label.