



SAFETY DATA SHEET

Revision: 07/03/2017

1. Identification of the substance/preparation and of the company/undertaking

Trade Name: Quik Flocc
Intended use: Flocculating Agent

Data on the Company:

Manufacturer: PDSCo, Inc.
105 W. Sharp St
El Dorado, AR 71730
USA
Tel – 870 863 5707
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2. Hazards Identification

Human health effects: May cause slight skin irritation, especially with prolonged or repeated exposure. May cause irritation to the eyes that should cease on removal of the product. Avoid breathing vapors. If ingested, may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Physicochemical effects: Very slippery underfoot when wet.

Hazard statements	: Hazard statements: H315	Causes skin irritation.
Precautionary statements	: Prevention: P264 P280	Wash hands thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.
	: Response: P302 + P352 P332 + P313	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention.
	: P362	Take off contaminated clothing.
	: Disposal: P501	Dispose of contents/container as special waste in compliance with local and national regulations.

Other hazards which do not result in classification

Advice; Solutions extremely slippery when spilled.

Inhalation; Avoid breathing vapors or mist.

Skin; Causes skin irritation.

Eyes; May cause eye irritation.

Ingestion; May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

3. Composition/information on ingredients

Chemical characterization: Polyacrylamide in water-in-oil emulsion.

Hazardous components

Chemical Name	CAS-No.	Concentration[%]
Distillates (petroleum), hydrotreated light	64742-47-8	23 - 25 %
Alcohols, C12-16, ethoxylated	68551-12-2	0 - 5 %
Alcohols, C10-16, ethoxylated	68002-97-1	0 - 5 %
Alcohols, C12-14, ethoxylated	68439-50-9	0 - 5 %

Components listed above that have a zero minimum and a common maximum range are interchangeably used components based on availability. Only one of these components is contained in the product up to the maximum amount noted.

4. First-aid measures

Description of first aid measures

Inhalation: Move to fresh air.

Ingestion: Rinse mouth with water. Do NOT induce vomiting. Obtain medical attention.

Skin contact: In cases of local contamination e.g. to the hands, wash the skin with plenty of lukewarm water and soap. For large areas, remove all contaminated clothing and footwear immediately and flush the affected parts with plenty of lukewarm water to remove all traces of product. If any irritation persists seek medical attention.

Eye contact: Do not allow the casualty to rub the eye(s). Quickly and gently brush the product off the face and away from the eyes. Immediately wash the affected eye(s) with plenty of eyewash solution or running water (preferably lukewarm), holding the eyelids apart to ensure complete removal of the product. Continue irrigation for 15 minutes. If there are any signs of irritation seek medical attention immediately.

5. Fire-fighting measures

Suitable extinguishing media: Foam, dry powder, carbon dioxide, water-spray / fog – use as appropriate for the surrounding fire and other materials present. It should be noted that the products become very slippery when wet.

Special exposure hazards: The products become very slippery underfoot when wet.

Special protective equipment
For fire-fighters: As for all fires involving chemicals; chemical protection suit
Suitable gloves and boots and self-contained breathing apparatus.

6. Accidental release measures

Personal precautions:	Use personal protective equipment suitable for the task in hand – see section 8. Respiratory protection may be required if dust is created during cleanup operations. Avoid formation of airborne dust clouds. The products become very slippery underfoot when wet.
Environmental precautions:	Prevent material from entering drains or water courses.
Methods for cleaning up:	Danger for slipping. Sweep up into suitable containers for disposal. Flush away remaining traces completely with plenty of water.

7. Handling and storage

Handling:	Do not eat, drink or smoke whilst handling the products. Do not breathe in any dust formed. Immediately remove clothing that becomes contaminated and launder before re-use. Avoid formation of dust and airborne dust clouds. Keep work area dust free by regular cleaning. Any airborne dust formed during use must be kept away from sources of ignition.
Storage:	Avoid wet, damp and humid storage conditions. Keep in a dry, cool place.

8. Exposure controls/personal protection

Components with workplace control parameters

Components	CAS-No.	Value	Form of exposure	Control parameters	Update	Basis
Distillates (petroleum), hydrotreated light	64742-47-8	TWA		200 mg/m ³	2006-11-29	CA BC OEL
		TWA		197 ppm 1,200 mg/m ³		

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Do not breathe vapor. Ensure that eyewash stations and safety showers are close to the workstation location.
Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment Respiratory protection

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

Hand protection

Impervious gloves

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Skin and body protection

Protective clothing.

Eye protection

Tightly fitting safety goggles

9. Physical and chemical properties

Appearance:	White viscous liquid
Odor:	hydrocarbon-like
PH (0.5% solution):	4 - 7
Melting point:	Not determined.
Boiling point:	Not determined.
Flash point:	200 degrees F (Pensky-Martens)
Explosive properties:	Not determined
Oxidizing properties:	Not applicable
Vapor pressure:	Not applicable
Vapor density:	Not applicable
Relative density:	1.0 g/cm ³
Solubility	
- water solubility:	Soluble
- fat solubility:	Not determined
Partition coefficient:	
n-octanol/water:	Not determined
Viscosity:	Not applicable
Evaporation rate:	Not applicable

10. Stability and reactivity

Stability:	Stable under normal conditions of use.
Conditions to avoid:	No special precautions other than good housekeeping of chemicals.
Materials to avoid:	Reactive chemicals / strong oxidizers
Hazardous decomposition products:	Ammonia and oxides of carbon produced on combustion.

11. Toxicological information

Low toxicity products. Tests carried out on similar products show acute oral LD₅₀ (rat) >5,000 mg/kg and products not to be classified as irritating to the skin and eyes.

12. Ecological information

The products are not classified as dangerous for the environment. Tests carried out on other anionic polyacrylamides showed:

Effects on fish: 96 hour LC₅₀ >300 mg/l
Effects on Daphnia: 48 hour EC₅₀ >200 mg/l
Effects on algae: 72 hour EC₅₀ >1000 mg/l

Toxicity to other organisms: No data available

Degradability: The polymeric ingredient is not readily biodegradable. Transmission of polyelectrolytes through biological membranes is very small. Bioaccumulation is unlikely.

Water solubility: Soluble

Surface Tension: Not determined.

13. Disposal considerations

Surplus or waste product and contaminated packaging should be disposed of in accordance with local regulations.

14. Transport information

Land transport: Not classified as dangerous for transport.
Sea transport (IMDG): Not classified as dangerous for transport.
Air transport (ICAO): Not classified as dangerous for transport.
Road transport (ADR): Not classified as dangerous for transport.

15. Regulatory information

SARA Title III Section 311 Categories

Immediate (Acute) Health Effects: Yes

Delayed (Chronic) Health Effects: No

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactivity Hazard: No

SARA 302 Extremely Hazardous Substances

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
None Present ()

SARA 313 – Specific Toxic Chemical Listings

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

None Present ()

California Proposition 65

Acrylamide (79-06-1) < 0.1 %

Remarks: This product contains a chemical or chemicals known to the state of California to cause cancer, birth defects or other reproduction harm.

Other regulations : None.

16. Other information

HMIS Rating

Health: 2

Flammability: 1

Reactivity: 0

NFPA Rating

Health: 2

Fire: 1

Reactivity: 0

Training advice

Read the safety data sheet before using the product.

Further Information

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.