

UAP

UAP TIMBERLAND

MATERIAL SAFETY DATA

1. PRODUCT IDENTIFICATION

PRODUCT NAME: **PARTITION**
SYNONYMS: Anionic Polyacrylamide in water-in-oil emulsion
CHEMICAL FAMILY: Anionic Polyacrylamide Copolymer
GENERIC DESCRIPTION: Mixture
MOLECULAR WEIGHT: Mixture

2. HAZARDOUS INGREDIENTS

OSHA REGULATED

COMPONENT	CAS. NO	WT% (OPT.)	EXPOSURE LIMITS
Hydrotreated petroleum distillate	064742-47-8	24%	TWA = 500ppm

3. EFFECTS OF OVEREXPOSURE:

EYE: Causes eye irritation under prolonged contact.
SKIN: Causes skin irritation under prolonged contact.
INHALATION: Not known.
ORAL: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Overexposure to any chemical may result in enhancement of pre-existing and adverse medical condition and allergic reactions.

4. EMERGENCY FIRST AID

EYES: Flush immediately with water for 15 minutes. Obtain medical attention if irritation persists.
SKIN: Remove contaminated clothing without delay. Wash skin with soap and water. Get medical attention if irritation develops. Launder clothing before reuse.
INHALATION: Material is not expected to be harmful if inhaled. If inhaled, remove to fresh air.
INGESTION: DO NOT INDUCE VOMITING. Drink two glasses of water or milk. Call a physician.

5. REACTIVITY DATA

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

6. PHYSICAL PROPERTIES

APPEARANCE AND ODOR:	White viscous, opaque liquid: slight hydrocarbon odor.
BOILING POINT:	Aqueous phase ~100°C; Oil phase~175°C
MELTING POINT:	0° F
VAPOR PRESSURE (mmg of Hg):	Not determined.
SPECIFIC GRAVITY:	~1.0 (+/-0.05)
VAPOR DENSITY (AIR=1):	Similar to water
% VOLATILE (BY WT.):	65-70%
EVAPORATION RATE (Butyl acetate=1):	<1
SOLUBILITY IN WATER:	Limited by viscosity
pH (dilution in water):	6 – 8

7. NFPA HAZARD RATING (National Fire Protection Association)

	Fire:	Materials that must be preheated before ignition can occur.
Fire 1	Health:	Materials which on intense or continued could cause temporary incapacitation or possible residual injury unless prompt medical treatment is given.
Health 2	Reactivity:	Materials, which in themselves are normally stable, even under fire exposure conditions, and which are not reactive with water.
0		
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Special		

8. FIRE AND EXPLOSION HAZARD INFORMATION

FLASHPOINT:	>200°F (Pensky-Martens closed cup ASTM D93)
FLAMMABLE LIMITS:	Not Available
EXTINGUISHING MEDIA:	Water Spray, Alcohol Foam, Dry Chemical, and CO ₂
FIRE FIGHTING:	Water stream may be ineffective. Use water to keep containers cool. Use alcohol-type or universal-type foams on larger fires. Smaller fires should be extinguished with carbon dioxide or dry chemical. Do not use water or foam directly on the fire. Use self-contained breathing apparatus with fighting any fire in an enclosed area.
UNUSUAL FIRE HAZARD:	None Known.

9. SPECIAL PRECAUTIONS

HANDLING AND STORAGE:	Store in cool dry place. Keep in original container tightly closed. Do not reuse empty container. To avoid product degradation and equipment corrosion, do not use iron, copper or aluminum containers or equipment.
OTHER PRECAUTIONS:	Keep out of reach of children. Spilled material becomes very slippery when wet.

10. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	Where exposures exceed PEL use respirator approved by NIOSH.
VENTILATION:	Normal room ventilation (mechanical) should be satisfactory.
PROTECTIVE GLOVES:	PVC-coated.
EYE PROTECTION:	Wear goggles or a face shield.
OTHER PROTECTION:	Full body protective suit, eye wash and safety shower. Wash with soap and water before eating, drinking, smoking or using toilet facilities.

11. SPILL OR LEAK PROCEDURES

SPILLS OR RELEASES:	Where exposure levels are not known, wear NIOSH approved, positive pressure, self-contained respirator. Wear impervious boots. CAUTION: Spilled material becomes very slippery when wet. Spilled material should be absorbed onto an inert material and scooped up. The area should be thoroughly flushed with water. If slipperiness remains, apply more dry-sweeping compound.
WASTE DISPOSAL:	Do not contaminate water, food or feed by storage or disposal. Dispose of in an approved waste disposal facility in accordance with all Federal, State and Local Regulations.
CONTAINER DISPOSAL:	Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

12. TOXICOLOGICAL INFORMATION

Toxicological information for the product is found under Section 2. HAZARDOUS INGREDIENTS. Toxicological information on the OSHA regulated components of this product is as follows:

Acute overexposure to petroleum distillate vapors may cause eye and throat irritation. Certain petroleum distillate fractions may produce moderate to severe skin irritation with direct contact. Prolonged repeated exposure to petroleum distillate vapor 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.

This product contains (a) chemical(s) known to the State of California to cause cancer.

13. ECOLOGICAL INFORMATION

Water Flea (*Daphnia magna*), 48 hr EC50 = 0.17 mg/L (As Water Accommodating Fraction)

LC50

BLUEGILL, 96 HOUR: 84.4 mg/L

TROUT 96 HOUR: 53.2 mg/L

FATHEAD MINNOW: 240 mg/L

DAPHNIA, 48 HOUR: 0.33 mg/L

OCTANOL/H₂O PARTITION COEF.: Not available

14. REGULATORY INFORMATION

COMPOUNDS WHICH REQUIRE REPORTING UNDER SARA TITLE III

Sara Regulated Compounds	Section	CAS NO.	Percent
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No compounds present in quantities which are regulated.

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.

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