

1. Product And Company Identification

Product Name: AS-3482

Synonyms/ Use: Water Treatment Compound

Manufacturer/Supplier:

Applied Specialties, Inc.

33555 Pin Oak Parkway

Avon Lake, OH 44012

Customer Information Number: 440-933-9442

For Chemical Emergency Spills, Leaks, Fire, Exposure or Accident, call Chemtrec: (800) 424-9300 day or night.
ASI account# CCN1551 for Chemtrec.

2. Hazardous Identification

Signal Word: Warning

Pictograms:



Hazard Statement(s): Causes skin and eye irritation.

Precautionary Statement(s):

Prevention	Do not breathe mist, vapors, or spray	(P260)
	Wash hands thoroughly after handling.	(P264)
	Do not eat, drink or smoke when using this product.	(P270)
	Use only outdoors or in a well-ventilated area.	(P271)
	Wear protective gloves and eye/ face protection.	(P280)

Carcinogenicity: None of the components in this product at concentrations greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen

Reproductive toxicity: No reproductive effects reported

Teratogenicity: No data available

Genotoxicity: No mutagenic effects reported

Aquatic toxicity: Toxic to aquatic life

3. Chemical Composition

Component	CAS Number	Wt%
Distillates (petroleum), hydrotreated light; Kerosine – unspecified	64742-47-8	>= 20 - < 30
Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	>= 1 - < 1.5

Chemical identity of some ingredients may be withheld as confidential as permitted by 29 CFR 1910.1200 and various State right to know laws.

4. First Aid Measures

General Advice: Remove contaminated clothing immediately.

Eye Contact: Immediately flush eyes with large amounts of running water for at least 15 minutes, lifting the lower and upper lids. Consult an ophthalmologist if irritation persists.

Skin Contact: Wash thoroughly with soap and water to remove any chemical from skin. Get medical attention if irritation persists. Contaminated clothing should be removed and laundered.

Inhalation: If difficulties occur after vapor/aerosol has been inhaled, remove to fresh air and get medical attention immediately if difficulty breathing.

Ingestion: Immediately rinse mouth and get medical attention. Do not induce vomiting unless instructed to do so by a physician. Never give anything by mouth to an unconscious person or if person is having convulsions. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration.

Note to Physician: Treat according to symptoms (decontamination, vital functions); no known specific antidote.

5. Fire Fighting Measures

Flash Point and Method: Not applicable

Extinguishing Media

Dry powder, foam, water spray, carbon dioxide - If water is used, restrict pedestrian and vehicular traffic in areas where a slip hazard may exist. Do not use water jet.

General Hazard

Keep upwind. Restrict pedestrian and vehicular traffic. Avoid bodily contact with the material. Containers can build pressure if exposed to heat. Cool containers using water. Caution – Evolution of fumes/ fog can occur during fire.

Fire Fighting Equipment

Wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear. The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed in accordance with all federal, state and local regulations.

6. Accidental Release Measures

Restrict access until clean-up operations are complete. Wear appropriate Personal Protective Equipment and stay upwind. Note that spills pose a slip hazard.

1. Ventilate the spill area. Dike around the spill area to prevent spreading.
2. For small spills: soak up with absorbent material and place into approved containers. For large spills: vacuum into suitable container.
3. Dispose of material in accordance with to all FEDERAL, STATE AND LOCAL REGULATIONS.

NOTE: DO NOT wash or pour product, as supplied, into any surface waters/ground waters or streams or directly into sewers.

7. Handling and Storage

Handling

Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Keep away from sources of ignition and heat. Practice good industrial hygiene. Wash after handling and before eating, drinking, or smoking.

Storage

Store original container.

Keep container tightly closed in a cool, dry and well-ventilated secured place.

Temperature Tolerance – Avoid extremes.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Distillates (petroleum), hydrotreated	TWA (mist)	5 mg/m ³
Light; Kerosine - unspecified	TWA	200 mg/m ³ (total hydrocarbon vapor)

Exposure Guidelines

Work in well ventilated areas. Do not breathe mists/dust/aerosols. Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to reduce airborne levels below established guidelines. Use local exhaust ventilation in areas where these levels may be exceeded.

Personal Protection

Respirator:	Wear a NIOSH/MSHA approved or equivalent vapor/particulate respirator as necessary if airborne levels exceed established guidelines.
Eye Protection:	Tight fitting safety goggles and face shield where splash hazard.
Gloves:	Chemical resistant gloves and check with glove manufacturers' recommendations, consider all work functions when selecting the best glove
Clothing:	During normal handling when there is a risk of skin contact, wear suitable clothing fully covering arms and legs to prevent such contact.
Other:	Eye wash and safety showers should be in immediate work area; practice good industrial hygiene and safety practices.

9. Physical And Chemical Properties

Appearance	White to Off-White emulsion
Odor	Mild
Freezing point	No data available
Flash Point	N/a
Specific Gravity	~1.0 g/mL
Product pH	~4
Solubility In Water	Dispersible

10. Stability And Reactivity

Stability	The product is stable under normal temperatures and pressures
Hazardous Reactions	No hazardous reactions when stored and handled according to instructions
Incompatibilities	Contact with strong oxidizing agents.
Materials to avoid	Avoid extreme temperatures.
Hazardous Decomposition Products	Carbon oxides, nitrogen oxides.

11. Toxicological Information

Acute Toxicity

LD50 Rat > 2,000 mg/kg

Skin irritation/corrosion: Prolonged or repeated contact can result in irritation and/or dermatitis.
 Eye irritation/corrosion: May cause eye irritation.
 Aspiration hazard: Not determined.
 Sensitization: This product is not expected to be a sensitizer
 Carcinogenicity: None of the components in this product at concentrations greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen
 Reproductive toxicity: No reproductive effects reported
 Teratogenicity: Not data available
 Genotoxicity: No mutagenic effects reported

12. Ecological Information

Ecotoxicity

LC50 (96hr)	Oncorhynchus mykiss	10 – 100 mg/L
EC50 (48hr)	Daphnia	10 – 100 mg/L

Bioaccumulation: No data available
 Degradability: Readily biodegradable. At natural pHs (>6), the polymer degrades due to the hydrolysis to more than 70% in 28 days.

13. Disposal Considerations

Product Residues

Prohibition – Do not discharge to drains, sewer, ground waters or waterways
 Disposal – Dispose in accordance with all federal, state, and local regulations. It is the waste generator’s responsibility to determine if a particular waste is hazardous under RCRA

Used Packaging

Dispose of in a licensed facility and in compliance with local, state, and federal regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. Transport Information

Proper Shipping Name	Not classified as dangerous goods
Hazard Class	Not regulated
Identification Number	N/A
Packaging Group	N/A
Label Required	None

15. Regulatory Information

Federal Regulations

CERCLA/SUPERFUND (40 CFR 117, Section 302)

Component	CAS Number	Concentration	RQ
None listed			

SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355)

Component	CAS Number
None listed	

SARA HAZARD CATEGORIES (40 CFR 370, Sections 311, 312)

[X] Acute [] Chronic [] Fire [] Pressure [] Reactive [] None

SARA TOXIC SUBSTANCES (40 CFR 372, Section 313)

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the emergency planning and Right – to – know Act of 1986 and of 40CFR 372.

Component	CAS Number
None listed	

US TOXIC SUBSTANCES CONTROL ACT/INVENTORY STATUS (TSCA)

All components are listed

RCRA STATUS

It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA


NTP, IARC, OSHA, & ACGIH STATUS

None of the components in this product at concentrations greater than 0.1% are listed

DOT REPORTABLE QUANTITY (RQ) (49 CFR, Subchapter C, Section 172.101, Appendix A)

Component	CAS Number	Concentration	RQ
None listed			

CALIFORNIA PROPOSITION 65:

 **Warning:** This product can expose you to chemicals, which are known to the State of California to cause cancer, developmental or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. Other Information

HMIS		
Health:	2	0 Minimal
Flammability:	1	1 Slight Hazard
Physical Hazard:	0	2 Moderate Hazard
		3 Serious Hazard
		4 Severe Hazard

This information is given without any warranty or representation and is presented in good faith and believed to be accurate. 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 carefully and completely.

Revision 7/ Supersedes 5/18/15 / bjj

Revisions: format, all.