



# RS 460 (AFCO 8770)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Revision Date: 06/12/2024

Version: 1.1

### SECTION 1: IDENTIFICATION

#### Product Identifier

**Product Form:** Mixture

**Product Name:** RS 460

**Product Code:** AFCO 8770

#### Intended Use of the Product:

**Use of the Substance/Mixture:** Flocculating agent. For professional use only.

#### Name, Address, and Telephone of the Responsible Party

##### **Company**

AFCO  
550 Development Avenue  
Chambersburg, PA 17201  
T: 800-345-1329  
[www.afcocare.com](http://www.afcocare.com)

#### Emergency Telephone Number

**Emergency Number** : 1-800-424-9300 (CHEMTREC)

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the Substance or Mixture

**Classification (GHS-US)** : Not classified.

#### Label Elements

**GHS-US Labeling** : No labeling required.

**Hazard Statements (GHS-US)** : None required.

**Precautionary Statements (GHS-US)** : None required.

#### Other Hazards

**Other Hazards Not Contributing to the Classification:** Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Contaminated surfaces will be extremely slippery.

**Unknown Acute Toxicity (GHS-US)** Not available.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Substances:** Anionic polyacrylamide

**Mixture:** Aqueous mixture where no hazardous or regulated components are present.

### SECTION 4: FIRST AID MEASURES

#### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for several minutes. Obtain medical attention if irritation persists. Wash contaminated clothing before reuse.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

#### Most Important Symptoms and Effects Both Acute and Delayed

**General:** May cause slight eye and skin irritation.

**Inhalation:** None.

**Skin Contact:** May cause slight skin irritation.

**Eye Contact:** May cause slight eye irritation.

**Ingestion:** None.

**Chronic Symptoms:** Not available.

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### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

If exposed or concerned, get medical advice and attention.

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

**Suitable Extinguishing Media:** Foam, dry chemical, carbon dioxide.

**Unsuitable Extinguishing Media:** Water spray.

### **Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Not available.

**Explosion Hazard:** Dust may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

**Reactivity:** When heated to decomposition, emits toxic fumes.

### **Advice for Firefighters**

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire. Wear self-contained breathing apparatus and protective suit. Use NIOSH/MSHA approved respiratory protection.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. Ammonia

**Other information:** Do not allow run-off from fire fighting to enter drains or water courses.

### **Reference to Other Sections**

Refer to section 9 for flammability properties.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Use appropriate personal protection equipment (PPE).

#### **For Non-Emergency Personnel**

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### **For Emergency Personnel**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** None.

### **Environmental Precautions**

Prevent entry to sewers and public waters.

### **Methods and Material for Containment and Cleaning Up**

Product becomes slippery when it is wet. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away with traces of water.

### **Reference to Other Sections**

See heading 8, Exposure Controls and Personal Protection.

## **SECTION 7: HANDLING AND STORAGE**

### **Precautions for Safe Handling**

**Additional Hazards When Processed:** Not available.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling. Product is hygroscopic; protect from moisture.

### **Conditions for Safe Storage, Including Any Incompatibilities**

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Store in a dry, cool (41-80.6°F/5-27°C) and well-ventilated place. Keep container closed when not in use.

Keep/Store away from extremely high temperatures and incompatible materials.

**Incompatible Materials:** Strong oxidizing agents. To avoid product degradation and equipment corrosion, do not use iron, copper or aluminum containers or equipment.

**Special Rules on Packaging:** Keep only in original container.

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**Specific End Use(s):** Flocculating agent. For professional use only.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

#### Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Protective goggles. Gloves.



**Materials for Protective Clothing:** None usually needed.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Safety goggles.

**Skin and Body Protection:** None usually needed.

**Respiratory Protection:** None usually needed.

**Other Information:** When using, do not eat, drink or smoke.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: White powder
Odor	: Odorless
Odor Threshold	: Not available
pH	: Not available
Relative Evaporation Rate (butylacetate=1)	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: Not available
Flash Point	: Not available
Auto-ignition Temperature	: Not available
Decomposition Temperature	: 150°C/302°F
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 21°C	: Not available
Bulk Density	: 650-850 kg/m <sup>3</sup>
Solubility	: Limited by viscosity
Partition coefficient: n-octanol/water	: Not available
Viscosity	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge.

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### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** When heated to decomposition, emits toxic fumes.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Excessive heat, incompatible materials.

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Ammonia, carbon oxides (CO<sub>2</sub>, CO), Nitrogen Oxides (NO<sub>x</sub>).

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects - Product

**Acute Toxicity:** Not classified.

**LD50 and LC50 Data:** Not available.

**Skin Corrosion/Irritation:** Not classified.

**Serious Eye Damage/Irritation:** Not classified.

**Respiratory or Skin Sensitization:** Not classified.

**Germ Cell Mutagenicity:** Not classified.

**Teratogenicity:** Not available.

**Carcinogenicity:** Not classified.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified.

**Reproductive Toxicity:** Not classified.

**Specific Target Organ Toxicity (Single Exposure):** Not classified.

**Aspiration Hazard:** Not classified.

**Symptoms/Injuries After Inhalation:** None.

**Symptoms/Injuries After Skin Contact:** May cause slight irritation.

**Symptoms/Injuries After Eye Contact:** May cause slight irritation.

**Symptoms/Injuries After Ingestion:** None.

#### Information on Toxicological Effects - Ingredient(s)

**LD50 and LC50 Data:**

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LD50 Oral-Rat	5000 mg/l (estimated)

### SECTION 12: ECOLOGICAL INFORMATION

#### Toxicity

**Ecology – General:** Not available.

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LC50 Fish 1	>100 mg/l (Exposure time: 96 h - Species: Branchydanio rerio (zebra fish))
EC50 Daphnia 1	>100 mg/l (Exposure time: 48 h - Species: Daphnia magna)

**Persistence and Degradability** Not available.

#### Bioaccumulative Potential

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Bioaccumulative Potential	Bioaccumulation is unlikely.

**Mobility in Soil** Not available.

#### Other Adverse Effects

**Other Information-**Not available.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Ecology – Waste Materials:** Not established.

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### SECTION 14: TRANSPORT INFORMATION

- 14.1 In Accordance with DOT** : Not regulated for transport.  
**14.2 In Accordance with IMDG** : Not regulated for transport.  
**14.3 In Accordance with IATA** : Not regulated for transport.  
**14.4 In Accordance with TDG** : Not regulated for transport.

### SECTION 15: REGULATORY INFORMATION

#### US Federal Regulations

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##### SARA Section 311/312 Hazard Classes

N/A.

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All components are listed on or exempt from the United States TSCA (Toxic Substances Control Act) inventory.

#### US State Regulations

##### Acrylamide (79-06-1) <= 0.05%

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

#### Canadian Regulations

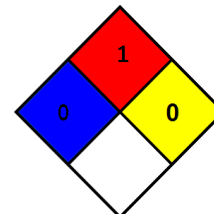
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All components of this product are either listed on the inventory or are exempt from listing.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

- Revision date** : 06/12/2024  
**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.  
**GHS Full Text Phrases** : None required.  
**NFPA Health Hazard** : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.  
**NFPA Fire Hazard** : 1 - Must be preheated before ignition can occur.  
**NFPA Reactivity** : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



#### HMIS III Rating

- Health** : 0 - Minimal Hazard.  
**Flammability** : 1 - Slight Hazard.  
**Physical** : 0 - Minimal Hazard.

#### Party Responsible for the Preparation of This Document

AFCO  
550 Development Avenue  
Chambersburg, PA 17201  
T: 800-345-1329

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

North America GHS SDS 2015 (U.S., Can., Mex.)