



RS 450 (AFCO 8767)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision Date: 08/07/2023

Version: 1.1

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: RS 450

Product Code: AFCO 8767

Intended Use of the Product:

Use of the Substance/Mixture: Processing aid for industrial applications. 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

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 water soluble polymer.

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: No hazards which require special first aid measures.

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: No hazards which require special first aid measures. This product is not considered toxic based on animal studies.

Most Important Symptoms and Effects Both Acute and Delayed

General: May cause slight eye and slight skin irritation.

Inhalation: None.

Skin Contact: May cause slight skin irritation.

Eye Contact: May cause slight eye irritation.

Ingestion: None.

Chronic Symptoms: Not available

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

RS 450 (AFCO 8767)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Foam, dry chemical, carbon dioxide, water, water spray.

Unsuitable Extinguishing Media: None

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not a fire hazard.

Explosion Hazard: None.

Reactivity: None.

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, CO₂), nitrogen oxides.

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

For Containment: Prevent spilled material from entering drains.

Methods for Cleaning Up: Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal. After cleaning, flush away with traces of water. Flush residues away with large quantities 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 and well-ventilated place. Keep container closed when not in use. Keep/Store away from incompatible materials.

Incompatible Materials: Strong oxidizing agents.

Special Rules on Packaging: Keep only in original container.

RS 450 (AFCO 8767)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Specific End Use(s): Processing aid for industrial applications. 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. If concentration of total dust is more than 10 mg/m³, a dust safety mask is recommended.

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 granular
Odor	: Odorless
Odor Threshold	: Not available
pH (0.5%)	: 5-9
Relative Evaporation Rate (butylacetate=1)	: Not available
Melting Point	: >150°C (302°F)
Freezing Point	: Not available
Boiling Point	: Not available
Flash Point	: Not applicable
Auto-ignition Temperature	: Does not self-ignite
Decomposition Temperature	: Not available
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	: 0.6-0.9
Solubility	: Complete
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.

RS 450 (AFCO 8767)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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. Oxidizing agents may cause exothermic reactions.

Conditions to Avoid: Incompatible materials.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon oxides (CO₂, CO). Nitrogen oxides (NO_x). Hydrogen cyanide (hydrocyanic acid).

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity:

RS 450 (AFCO 8767)	
LD50 Oral Rat	>5000 mg/kg
LD50 Dermal Rat	>5000 mg/kg

LD50 and LC50 Data: Not available.

Skin Corrosion/Irritation: Not classified. **pH (0.5%):** 5-9

Serious Eye Damage/Irritation: Not classified. **pH (0.5%):** 5-9

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: Not available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology – General: Not available.

RS 450 (AFCO 8767)	
LC50 Fish 1	>100 mg/l (Exposure time: 96 h - Species: Danio rerio)
EC50 Daphnia 1	>100 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Persistence and Degradability: Not readily biodegradable.

Bioaccumulative Potential

RS 450 (AFCO 8767)	
Bioaccumulative Potential	Does not bioaccumulate.
Partition coefficient (Log Pow)	-2
Bio concentration factor	≈0

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.

RS 450 (AFCO 8767)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Ecology – Waste Materials: Not established.

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

RS 450 (AFCO 8767)	
SARA Section 311/312 Hazard Classes	N/A.
RS 450 (AFCO 8767)	
All components are listed on or exempt from the United States TSCA (Toxic Substances Control Act) inventory.	

US State Regulations None.

Canadian Regulations

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

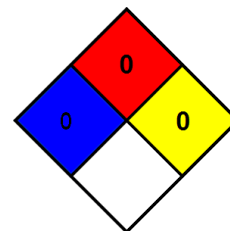
- Revision date : 08/07/2023
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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 : 0 - Materials that will not burn.

NFPA Reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

- Health : 0 Minimal Hazard - No significant risk to health.
Flammability : 0 - Minimal 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.)

RS 450 (AFCO 8767)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
