SAFETY DATA SHEET - AF-610 Compound

1. Identification

Product Name: AF-610 Finishing Compound

Manufacturer/Supplier: RockRidge Abrasives
9000 Byron Commerce Dr. SW
Byron Center, MI 49315

Telephone/Fax Number: Phone: 716-759-6600
Fax: 716-759-6602

E-Mail: sales@rockridgeabrasives.com

Date of Revision: 12/10/2024

2. Hazard(s) Identification

Classification of the substance or mixture

Physical Hazard:	Not Classified
Health Hazards:	Skin Corrosion / Irritation (Category 2), Causes skin irritation. Eye Damager/Irritation (Category 2A), Causes serious eye irritation.
Environmental Hazards	Not Classified.

GHS Label elements and precautionary statements

Pictogram:	Exclamation Mark
Signal word:	WARNING
Prevention	Wash thoroughly after handling. Wear protective gloves or clothing/ eye protection/ face protection.
Response	IF ON SKIN: Wash with plenty of water. If skin irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.
Storage	None
Disposal	None

Hazards not otherwise classified or not covered by GHS.

HMIS Rating: Health hazard: 2 Chronic Health Hazard: Flammability: 0 Physical Hazard 0
NFPA Rating: Health hazard: 2 Fire Hazard: 0 Reactivity Hazard: 0

Supplemental Information

See Section 16 for alphanumeric H-Statements and P-Statements.

3. Composition / Information on Ingredients

Component	Cas	%Wt.
Citric acid	77-92-9	5-10
Amphoteric Surfactant	61791-25-1	5-10

If Chemical Name/CAS No is “proprietary” and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-Aid Measures

Description of first aid measures
General advice: Move out of dangerous area. Consult a physician. Show this SDS to the doctor and first responders.
In case of eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.
In case of skin contact: Wash with plenty of water. Take off all contaminated clothing. Wash contaminated clothing before reuse. Seek immediate medical attention if you feel unwell.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Contact a POISON CENTER/doctor/see immediate medical attention.
If swallowed: Immediately call a POISON CENTER/doctor/ Seek immediate medical attention. Specific treatment is shown. Rinse mouth.

Most important symptoms and effects, both acute and delayed: See Sections 2 and 11.
Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

5. Fire-Fighting Measures

Extinguishing Media
Suitable Extinguishing Media: Use dry chemical, foam or water fog to extinguish.
Unsuitable Extinguishing Media: Do not use direct water stream.

Special hazards arising from the substance or mixture: Use water spray to cool fire exposed container surfaces and to protect personnel. Thermal decomposition can produce carbon monoxide (highly toxic) and carbon dioxide (an asphyxiate at sufficient concentrations).

Advice for firefighters: Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. (MSHA/NIOSH approved or equivalent).

Further information: If employees are expected to fight fires, training and equipment information can be found in OSHA Fire Brigades Standard (29 CFR 1910.156).

6. Accidental Release Measures

Extinguishing Media
Suitable Extinguishing Media: Use dry chemical, foam or water fog to extinguish.
Unsuitable Extinguishing Media: Do not use direct water stream.

Special hazards arising from the substance or mixture: Use water spray to cool fire exposed container surfaces and to protect personnel. Thermal decomposition can produce carbon monoxide (highly toxic) and carbon dioxide (an asphyxiate at sufficient concentrations).

Advice for firefighters: Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. (MSHA/NIOSH approved or equivalent).

Further information: If employees are expected to fight fires, training and equipment information can be found in OSHA Fire Brigades Standard (29 CFR 1910.156).

7. Handling and Storage

Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation and vapor or mist for liquids. When product is flammable or combustible, keep away from sources of ignition- No smoking. For precautions see Section 2.

Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use
See Section 1.

8. Exposure Controls / Personal Protection

Control parameters
Guidelines may not apply to every situation. Industrial hygiene evaluations should be completed at each work place. Exposure limits are for air levels only. When skin contact also occurs, workers may be overexposed, even though air levels are less than the limits when provided.

Component Workplace Exposure Limits
Citric acid (77-92-9) TLV/TWA (ACGIH): 10 mg/m3 (respirable); PEL/TWA (OSHA):3mg/m3 (respirable)
Amphoteric Surfactant (61791-25-1) 2-methylpentane-2,4-diol OSHA PEL CLV 25 ppm 125 mg/m3; ACGIH TLV CLV 25 ppm.

Exposure controls
Appropriate engineering controls: Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. Maintain airborne levels below exposure limit requirements or guidelines. If local exhaust ventilation or enclosure is not used respirators should be worn. Wear protective work clothing. Facilities storing, packaging or utilizing product should be equipped with an eyewash and a safety shower facility. Wash thoroughly immediately after exposure, before breaks and the end of the work shift. Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards to potentially exposed workers.

Personal protective equipment
Safety glasses and chemical resistant gloves are recommended whenever chemicals are handled. Obtain detailed information from OSHA Personal Protective Equipment Standard (29 CFR 1910.132) and equipment suppliers.
Eye/face protection: Face shield and, or safety glasses are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection: Wear protective gloves/protective clothing. Dispose of contaminated gloves after use in accordance with applicable regulations and good practices. Wash and dry hands. Wash contaminated clothing and decontaminate shoes before reuse.
Respiratory protection: Use when overexposure potential. Improper use of respirators is dangerous. Respirators should only be used with a written program as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

Control of environmental exposure
Avoid release to the environment. Collect spillage. Dispose of contents/container in accordance with regulations.

9. Physical and Chemical Properties

Form: Liquid
Color: Transparent, Blue
Odor: Mild
Boiling Point/Range: >212°F (100°C)
Volatiles by Weight: 0%
Specific Gravity: 1.06
Flammability Limit - LEL: N/A- **UEL:** N/A
Vapor Pressure: as water
Vapor Density: as water
Freezing Point/Melting Point: N/A
Solubility (Water): 100%
Evaporation Rate: (Ethyl ether = 1): N/A
Viscosity: Non-viscous
pH: 4.6 (4.9 @ 1%)
Density: N/A

10. Stability and Reactivity

Reactivity: Not reactive under normal conditions.
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: When in contact with incompatible materials.
Conditions to avoid: Contact with incompatible materials and temperature extremes.
Incompatible materials: Strong oxidizers.
Hazardous decomposition products: Does not decompose under normal conditions.
Other decomposition products: During fire, thermal decomposition can produce carbon monoxide (highly toxic) and carbon dioxide (an asphyxiant at sufficient concentrations).

11. Toxicological Information

Information on Toxicological Effects
Component toxicity
Citric Acid (77-92-9): Acute toxicity LD50 Oral- Rat- 5,400 mg/kg (OECD Test Guideline 401) Inhalation: No data available
LD50 Dermal- Rat- > 2,000 mg/kg (OECD Test Guideline 402)
Amphoteric Surfactant (61791-25-1): Acute Toxicity/Effects Oral Type of value: LD50 Species: rat Value: > 500- < 2,000 mg/kg Inhalation Type of value: ATE Value: > 20.0000 mg/l Determined for vapor Type of value: ATE Value: > 5.0000 mg/l Determined for mist Dermal Type of value: ATE Value: > 5,000 mg/kg Irritation / corrosion Assessment of irritating effects: Eye contact causes irritation. Skin contact causes irritation. Information on: 2-methylpentane-2,4-diol Assessment of irritating effects: Skin contact causes irritation. Eye contact causes irritation. Skin Species: rabbit Result: non-irritant Eye Species: rabbit Result: Irritant.

Mixture toxicity
Inhalation – Dermal- Skin corrosion/irritation- Eye damage/eye irritation – Respiratory/skin sensitization- Germ cell mutagenicity – Reproductive toxicity- Specific target organ toxicity- single exposure- Specific target organ toxicity- repeated exposure- Aspiration hazard: All no data available - Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is classified as a carcinogen by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).

Additional Information
None known.

12. Ecological Information

Ecotoxicity
Component ecotoxicity
Citric Acid (77-92-9): Toxicity to fish mortality LC50- Leuciscus idus melanotus- 440 mg/l- 48 h (OECD Test Guideline 203) Toxicity to daphnia and other aquatic invertebrate static test- Daphnia magna (Water flea)- 1,535 mg/l- 24 h LD50 Dermal- Rat- > 2,000 mg/kg (OECD Test Guideline 402) Amphoteric Surfactant (61791-25-1): Toxicity to fish LC50 (96 h) 1- 10 mg/l, Leuciscus idus Aquatic invertebrates EC50 (48 h) 1- 10 mg/l

Mixture ecotoxicity
Toxicity to Fish- Persistence and Biodegradability- Bioaccumulative Potential- Mobility in Soil: No data available for mixture.

Other adverse effects
None known.

13. Disposal Considerations

Waste treatment methods
Product: Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT: Not Regulated
IATA: Not Regulated
IMDG: Not Regulated

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. Regulatory Information

Federal
TSCA: Components of this product are listed on the TSCA Inventory.
RCRA: None of the ingredients are currently listed as a substance or a source waste under current RCRA regulations (40 CFR 261.31, 32 and 33).
CERCLA: Product is not found on Table 302.4, 40 CFR part 302.
SARA TITLE III: (Superfund Amendments and Reauthorization Act)
302 Components: None are subject to the reporting requirements of Section 302.
313 Components: None that exceed the threshold (De Minimis) reporting levels established by Section 313.
311/312 Hazards: Acute Health

States
State Right to Know Components: PA & NJ: Citric Acid (77-92-9)- Amphoteric Surfactant (61791-25-1)- Water (7732-18-5)
California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canada
DSL: This product, or its components, are listed on or are exempt from the Canadian Domestic Substances List.
WHMIS: Citric Acid: E (Corrosive Material strong acid (pH of 3M saturated solution = 1,2)- Disclosure at 1,0% according to the Ingredient disclosure list- Amphoteric Surfactant: Uncontrolled product according to WHMIS classification criteria.

16. Other Information

Full alphanumeric H-Statements and P-Statements.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
P264 Wash thoroughly after handling.
P280 Wear protective gloves or clothing/ eye protection/ face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P332 + P313 If skin irritation persists: Get medical advice/ attention.
P362+364 Take off contaminated clothing and wash it before reuse.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.

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