

ARISTA® C-41 BLIX PART C

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Distributor: Freestyle Photographic Supplies

5124 Sunset Blvd., Hollywood, CA 90027

Product Name: **C-41 BLIX PART C**

Product Number: **101202, 101222**

Product Use: Photographic fixer component

Customer Information Phone Number:

1-800-292-6137

CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300

CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300

Date Reviewed: 04/26/2015

Version 2.0

2. HAZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture

Health hazard

May cause slight eye irritation H320

May cause skin irritation H314

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word: WARNING

Hazard statement(s)

H314 May cause skin irritation

H320 May cause slight eye irritation

Precautionary statement(s)

P264 Wash skin thoroughly after handling

P270 Do not eat, drink, or smoke when using this product

P280 Wear protective gloves, eye protection

P302 + P352 IF ON SKIN: Wash with plenty of soap

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 +P313 If skin irritation or rash occurs: Get medical advice/attention.



3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>OHSA PEL</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
FERRIC AMMONIUM EDTA	21265-50-9	50 ppm	25 ppm	90-100

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

Inhalation: If symptomatic, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: If swallowed, give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Skin Contact: Flush skin with plenty of water and wash with a non-alkaline skin cleaner. Wash contaminated clothes before reuse. Get medical attention if irritation develops.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Use agent appropriate for surrounding fire.

5.2 Special Hazards arising from substance or mixture

Not considered a fire hazard. When involved in a fire, does not contribute any unusual hazards. Fire or excessive heat may cause production of hazardous decomposition products.

Combustion Products: Carbon dioxide, carbon monoxide.

5.3 Advise for firefighters

Wear self-contained breathing NIOSH/MSHA approved apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment. Avoid contact with skin and eyes. Stop the spillage. Dike the spill. Absorb spillage in inert material. Soak up with sawdust, sand, or other absorbent material. Remove non-usable solid material and/or contaminated soil for disposal in an approved and permitted landfill.

6.2 Environmental precautions

Prevent liquid from entering sewers, waterways or low areas. Discharge to sewer requires approval of permitting authority and may require pre-treatment. Contaminated surfaces should be cleaned using water.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Store in a cool, dry, well-ventilated area. Keep containers closed. Do not store or consume food, drink, or tobacco where they may become contaminated with this material.

7.2 Conditions for safe storage, including any incompatibles

Do not store with incompatible materials. All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Triple rinse before disposal. Dispose of in a licensed facility.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

See Section 3.

8.2 Exposure controls

Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal protective equipment

Eye Protection: Safety glasses with side shields (or goggles).

Respiratory Protection: When this product is used in the intended way, no respiratory protection is anticipated to be necessary.

Skin protection: Latex, rubber, or neoprene waterproof gloves are recommended.

Body protection: Rubber or plastic apron.

Respiratory protection: Local exhaust ventilation is recommended. Ventilation must be adequate to keep hazardous ingredients below their exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance And Odor: Reddish brown solution; ammonia odor

Solubility In Water: Complete

Boiling Point: > 100 °C

Flash Point: Nonflammable

Flash Point Method: Not applicable

Auto ignition: Not applicable

LEL: Not applicable

UEL: Not applicable

Specific Gravity: 1.32

Vapor Pressure: 18m Hg @ 20°C

Melting Point: Not applicable

Freezing Point: N.E.

Evaporation Rate: N.E.
Vapor Density: N.E.
Evaporation Rate: Not established
Vapor Density: Not established
Percent Volatile: 53.01
Ph: 7.40
Pounds Per Gallon: 10.99
Molecular Weight: Not applicable
V.O.C. is 0.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable

10.2 Chemical stability

Conditions To Avoid: Metals such as aluminum, copper, copper alloys, nickel, and zinc.
Aqueous solution in contact with aluminum evolves hydrogen.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible Materials

Strong oxidizers, alkalis, acids.

10.6 Decomposition Products

May produce oxides of nitrogen, carbon dioxide, carbon monoxide, and ammonia.

11. TOXICOLOGICAL INFORMATION

11.1 Information of toxicological effects

Component information

Ferric Diammonium EDTA 68413-60-5

Acute toxicity:

Oral: LD50 (rats): is expected to be greater than 5,000 mg/kg based on similar products.
Dermal: No data
Inhalation: No data

Skin irritation: Rabbit
Non irritant

Eye irritation: Rabbit
No eye irritation (OECD Test Guideline 405).

Carcinogenicity/mutagenicity: none

12. ECOLOGICAL INFORMATION

Component information

Ferric Diammonium EDTA 68413-60-5

12.1 Toxicity

No experimental ecological data are available for the mixture as such. From structurally related products, the following may be expected.

Toxicity to fish	LC0-Oncorhynchus mykiss - > 100 mg/l – 96h
Toxicity to daphnia	EC50 – Daphnia magna (Water flea) → 100 mg/l – 48h
Toxicity to algae	EC50 – Pseudokirchneriella subcapitata - > 100 mg/l – 72 h (OECD Test Guideline 201).

12.2 Biodegradation

This product is not readily biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation in fish and other aquatic species is not expected due to the high water solubility.

12.4 Chemical fate

This product is not expected to undergo hydrolysis. The substance is not expected to enter the atmosphere significantly due to its high water solubility.

12.5 Result of PBT and vPvB assessment

Assessment not available as chemical assessment not required/not conducted

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT (US)

Not regulated

15. REGULATORY INFORMATION

SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302:
None

MATERIAL SAFETY DATA SHEET



SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:
None

SARA 311/312 Hazards

None

California Prop 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

TSCA

All ingredients in this finished product are listed on the EPA TSCA INVENTORY.

SCAQMD Rule 443.1

Photochemically Reactive: No
Maximum Grams of VOC per Liter: 0
Vapor Pressure: 18 mm Hg@ 20 Degrees C

16. OTHER INFORMATION

Full text of H-statements referred to under sections 2 and 3.

H314 May cause skin irritation
H320 May cause slight eye irritation

HMIS RATING

Health: 1
Flammability: 0
Reactivity: 0
Protective: C

OTHER ADDITIONAL INFORMATION: The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for the injuries from the use of the product described herein.