

JOBO C-41 BLIX B POWDER

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Distributor: Omega Brandess

626 Hanover Pike #102, Hampstead, MD 21074

Product Name: **JOBO C-41 POWDER DEVELOPER**

Product Number: 10123, 10124

Catalog No: **109306**

Product Use: Photographic developer.

Customer Information Phone Number:

1-410-374-3250

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

Date Reviewed: 04/28/2015

Version 3.0

2. HAZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture

Health hazard

1. Causes eye irritation (Category 2B), H320
2. May cause respiratory irritation H335
3. Causes skin irritation (Category 2), H314
4. Specific organ toxicity Oral (Category 2), Kidney, H373
5. Acute aquatic toxicity (Category 1), H400

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word: WARNING

Hazard statement(s)

H314	Causes skin irritation
H320	Causes eye irritation
H335	May cause respiratory irritation
H373	Specific organ toxicity - Oral (Kidney)
H400	Acute aquatic toxicity

MATERIAL SAFETY DATA SHEET



Precautionary statement(s)

- P261 Avoid breathing mist
P264 Wash skin thoroughly after handling
P273 Avoid release into the environment
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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
Ferric Sodium EDTA	MIXTURE	N.E.	N.E.	60-70
Sodium Sulfite	7757-83-7	N.E.	N.E.	15-20
PDTA	1939-36-2	N.E.	N.E.	10-15

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: Rinse mouth with water. 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

Fire or excessive heat may cause production of hazardous decomposition products.
Combustion Products: Carbon dioxide, carbon monoxide, and oxides of sulfur and nitrogen.

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. Sweep up. For working solution, dike the spill. For small amounts less than one gallon flush to the sewer with large amounts of water. For larger spills, prevent liquid from entering sewers, waterways or low areas. 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. Keep away from acids, alkalis and oxidizers. 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: Yellow powder, no odor.
Solubility In Water: Complete
Boiling Point: Not applicable
Flash Point: Nonflammable
Ph: Not applicable
Specific Gravity: Not applicable
Melting Point: Not applicable
Molecular Weight: Not applicable
Pounds Per Gallon: Not applicable
V.O.C is 0.

10. STABILITY AND REACTIVITY**10.1 Reactivity**

Stable

10.2 Chemical stability

Conditions To Avoid: Heat

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible Materials

Strong acids and alkali

10.6 Decomposition Products

Strong acids will liberate sulfur dioxide, strong bases of sodium peroxide will liberate ammonia fumes.

11. TOXICOLOGICAL INFORMATION**11.1 Information of toxicological effects****Component information*****Ferric Sodium EDTA 15708-5*****Acute toxicity:**

Oral: LD50 (rats): > 2,000 mg/kg
Dermal: LD50 (rats): > 2,000 mg/kg
Inhalation: LD50 (rats): > 2.75 mg/l – 4h

MATERIAL SAFETY DATA SHEET



Skin irritation: Rabbit
Non irritant – 4h

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

Respiratory or skin sensitisation: Mouse
Does not cause skin sensitization

Germ cell mutagenicity: Ames test
S. typhimurium
Result: negative

Carcinogenicity/mutagenicity: none

Sodium Sulfite 7757-83-7

Acute toxicity:

Oral LD-50 (rat) 3,560 mg/kg
Inhalation LD-50 (rat) >5,500 mg/m³ - 4 h
Dermal: no data

Skin irritation:

Skin – rabbit
Result: No skin irritation

Eye irritation:

Skin – rabbit
Result: No skin irritation

Respiratory or Skin Sensitization

Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Carcinogenicity/mutagenicity: none

PDTA 1939-36-2

Acute toxicity:

Not available

Skin irritation: LD50 Dermal – rabbit > 2000 mg/kg

Eye irritation:

This product is a mild irritant to rabbit eyes.

Ingestion:

Acute LD50 (rat) 3400 mg/kg

Respiratory or Skin Sensitization

Not a skin sensitizer (guinea pig)

Carcinogenicity/mutagenicity: IARC, NTP, ACGIH, and OSHA do not classify this material as a carcinogen or suspect carcinogen. However, nitrotriastetic acid (NTA) and its salts were determined to be “possibly carcinogenic to humans” (Group 2B) by IARC, a compound which “may reasonably be anticipated to be a carcinogen” by NTP and a “select carcinogen” by OSHA. PDTA was found to be non-mutagenic.

12. ECOLOGICAL INFORMATION**Component information*****Ferric Sodium EDTA 15708-5*****12.1 Toxicity**

Toxicity to fish	LC0-Brachydanio rerio (zebra fish) - >180 mg/l – 96h
Toxicity to daphnia and	EC50 – Daphnia magna (Water flea) > 88 mg/l –48h
Toxicity to bacteria	EC10 = 17 mg/l (Bringmann-Kuhl Test)
	EC10 = 205 mg/l (Robra Test)

12.2 Biodegradation

This product is not readily biodegradable.

12.3 Bioaccumulative potential

The potential for bioconcentration is low.

12.4 Mobility in soil

No data available

12.5 Result of PBT and vPvB assessment

Assessment not available as chemical assessment not required/not conducted

Sodium Sulfite 7757-83-7**12.1 Toxicity**

Toxicity to fish	LC50- Gambusia affinis (Mosquito fish) -660 mg/l – 96h
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12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Result of PBT and vPvB assessment

Assessment not available as chemical assessment not required/not conducted

12.5 Other adverse effects

None

PDTA 1939-36-2**12.1 Toxicity**

LC50 /96 hours:	>100 mg/l Oncorhynchus mykiss (rainbow trout)
EC50/48 hours:	100.9 mg/L Daphnia magna (Water flea)

MATERIAL SAFETY DATA SHEET



Toxicity to bacteria Growth inhibition NOEC – Sludge treatment – 640 mg/l – 3h

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

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. Do not dump into sewers, ground, or any body of water.

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

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.

MATERIAL SAFETY DATA SHEET



SCAQMD Rule 443.1

Photochemically Reactive: No
Maximum Grams of VOC per Liter: 0 g/L
Vapor Pressure: 18 mm Hg@ 20 Degrees C
In working solution

16. OTHER INFORMATION

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

H314	Causes skin irritation
H320	Causes eye irritation
H335	May cause respiratory irritation
H373	Specific organ toxicity - Oral (Kidney)
H400	Acute aquatic toxicity

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.