

JOBO BLIX A POWDER

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Distributor: Omega Brandess
626 Hanover Pike #102, Hampstead, MD 21074
Product Name: **JOBO BLIX PART A**
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

Causes eye irritation (Category 2B), H320
Causes skin irritation (Category 2), H314

2.2 GHS Label elements, including precautionary statements

Pictogram Not a Hazardous mixture

Signal Word: Not a Hazardous mixture

Hazard statement(s)

H314 Causes skin irritation
H320 Causes eye irritation
H335 May cause respiratory irritation

Precautionary statement(s)

P261 Avoid breathing mist
P264 Wash skin thoroughly after handling
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 %
Ammonium Thiosulfate	7783-18-8	N.E.	N.E.	90-95
Sodium Carbonate	497-19-8	N.E.	N.E.	3-5

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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

Flash Point Method: Not applicable

Auto ignition: Not applicable

LEL: Not applicable

UEL: Not applicable

Vapor Pressure: Not applicable

Ph: Not applicable

Specific Gravity: Not applicable

Melting Point: Not applicable

Freezing Point: Not applicable

Evaporation Rate: Not applicable

Vapor Density: Not applicable

Percent Volatile: Not applicable

Molecular Weight: Not applicable

Pounds Per Gallon: Not applicable

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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

Ammonium thiosulfate 7783-18-8

Acute toxicity:

Oral: LD50 (rats): 2,890 mg/kg

Dermal: No data

Inhalation: No data

Skin irritation: Rabbit

Non irritant

Eye irritation: Rabbit

No eye irritation (OECD Test Guideline 405).

Carcinogenicity/mutagenicity: none

Sodium Carbonate 497-19-8

Acute toxicity:

LD50 Oral – rat – 2800 mg/kg

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

Eye irritation:

No data available

Respiratory or Skin Sensitization

LD50 Inhalation – guinea pig – 800 mg.m³

Carcinogenicity/mutagenicity: none

12. ECOLOGICAL INFORMATION**Component information*****Ammonium thiosulfate 7783-18-8*****12.1 Toxicity**

Toxicity to fish	LC0-Lepomis macrochirus (bluegill) - 510 mg/l – 96h
Toxicity to daphnia and other aquatic invertebrates	LC50 – Daphnia magna (Water flea) – 230 mg/l – 21d
Toxicity to algae	EC50 – Pseudokirchneriella subcapitata - > 100 mg/l – 72 h (OECD Test Guideline 201).
Toxicity to bacteria	Respiration inhibition EC50 – Sludge Treatment - > 1,000 mg/l – 3h (OECD Test Guideline 201).

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

Sodium Carbonate 497-19-8**12.1 Toxicity**

LC50 /96 hours:	300 mg/l (bluegill, sunfish)
EC50/48 hours:	200-227 mg/L (Ceriodaphnia)

12.2 Persistence and degradability

This product is completely biodegradable.

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

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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.

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
H317	May cause allergic skin reaction (Category 1)

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HMIS RATING

Health: 0
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.