

JOBO C41 POWDER STABILIZER

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Distributor: Omega Brandess

626 Hanover Pike #102, Hampstead, MD 21074

Product Name: **JOBO C41 POWDER STABILIZER**

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: 05/01/2015

Version 3.0

2. HAZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture

Health hazard

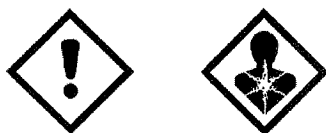
Acute toxicity, Oral (Category 4), H302

Skin sensitisation (Category 1) H314

Respiratory sensitisation (Category 1) H335

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word: WARNING

Hazard statement(s)

H302 Harmful if swallowed

H314 Causes skin irritation

H335 May cause respiratory irritation

Precautionary statement(s)

P261 Avoid breathing mist, dust, spray

P280 Wear protective gloves, eye protection

P301 + P312 IF SWALLOWED; call a POISON CENTER or doctor/physician if you feel unwell

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

MATERIAL SAFETY DATA SHEET



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

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
HEXAMINE*	100-97-0	15 mg/m ³ (dust)	10mg/m ³ (particulate)	100

* Decomposes as formaldehyde and ammonia

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: Do not induce vomiting. Only induce vomiting at the instruction of medical personnel. 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

Flammable in the presence of a source of ignition, through friction or retained heat. Keep away from heat/sparks/open flame. Quantity is very small. 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 oxides, nitrogen oxides, hydrogen cyanide.

5.3 Advise for firefighters

Wear self-contained breathing NIOSH/MSHA approved apparatus and protective clothing to prevent contact with skin and eyes. Fire or excessive heat may produce hazardous decomposition products. Use water to keep containers cool.

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 dust formation. Avoid breathing dust. Sweep up and collect for disposal. In working solution 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 according to local regulations.

6.2 Environmental precautions

Prevent liquid from entering sewers, waterways or low areas.

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Avoid breathing vapors, mist or gas. Ensure adequate ventilation. 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. Do not store with strong acids or oxidizing agents. All labeled precautions must be observed when handling and storing.

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: Avoid breathing mists. A respirator should be worn if hazardous decomposition products are likely to be released.

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, typically 10 air changes per hour.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance And Odor: Colorless crystalline powder

Solubility In Water: Soluble

Boiling Point: No data available

Flash Point: 482°F – closed cup

Melting Point: 536°F

Density: 1.331 g/cm³

Vapor Pressure: < 0.01 mmHg

MATERIAL SAFETY DATA SHEET



Percent Volatile: 92.60
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

None

10.4 Conditions to avoid

Conditions To Avoid: Heat

10.5 Incompatible Materials

Strong acids, strong oxidizing agents.

10.6 Decomposition Products

Combustion Products: Carbon oxides, nitrogen oxides, hydrogen cyanide.

11. TOXICOLOGICAL INFORMATION

11.1 Information of toxicological effects

Component information

Hexamethylenetetramine 100-97-0

Acute toxicity:

LD50 Oral – rat – > 20,000 mg/kg

Dermal:

No data available

Inhalation:

No data available

Skin irritation:

No data available

Eye irritation:

No data available

Respiratory or Skin Sensitization

Maximisation Test – guinea pig – May cause allergic skin reaction

Carcinogenicity

None

Germ cell mutagenicity

Laboratory experiments have shown mutagenic effects.

12. ECOLOGICAL INFORMATION**Component information*****Hexamethylenetetramine 100-97-0*****12.1 Toxicity**

Toxicity to fish LC50 – Pimephales promelas (fathead minnow) – 49,880 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) 36,000 mg/l - 48 h

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 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

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)**

DOT Name: Hexamethylenetetramine

Hazard Class: 4.1

UN No.: 1328

Packing Group: III

Guide No: 133

Ship Name: PHOTOGRAPHIC STABILIZER

Limited Quantity Exception may apply to this product, for "inner packagings not over 1.0L (0.3 gal) for liquids and 1.0 kg (2.2 lb.) for solids". 173.154 (b) (1). Each package must conform to the packaging requirements of Subpart B of Part 173 and may not exceed 30 kg (66 lb.) gross weight. For further information consult the 49 CFR.

MATERIAL SAFETY DATA SHEET



DOT Class: CONSUMER COMMODITY, ORM-D
Hazard Class: NOT APPLICABLE
UN No.: NOT APPLICABLE
Packing Group: NOT APPLICABLE
Ship Name: PHOTOGRAPHIC STABILIZER

15. REGULATORY INFORMATION

SARA 302 Components

The following components are subject to reporting: None

SARA 313 Components

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

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

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 gm/L
This is a solid

16. OTHER INFORMATION

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

Acute toxicity, Oral (Category 4), H302
Skin sensitisation (Category 1) H314
Respiratory sensitisation (Category 1) H335
Acute toxicity, Oral (Category 4), H302

HMIS RATING

Health: 3*
Flammability: 2
Reactivity: 1

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.