

MATERIAL SAFETY DATA SHEET

C-41 RA BLEACH REPLENISHER NR

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Silver Pixel Phone Number: 1-800-521-4042 Emergency Phone: 1-800-255-3924
Product Name: **C-41 RA BLEACH REPLENISHER NR** Product Number: **10872**
Prepared By: MSDS Author 3 Date Prepared: 04/09/2002
Synonyms:

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
AMMONIUM BROMIDE	12124-97-9	N.E.	N.E.	10-15
AMMONIUM HYDROXIDE	1336-21-6	N.E.	N.E.	10-15
ACETIC ACID	64-19-7	25 mg/m ₃	25 mg/m ₃	5-10
PDTA	1939-36-2	N.E.	N.E.	5-10
NITRIC ACID 68%	7697-37-2	5mg/m ₃ TWA	10mg/m ₃ C	5-7

3. HAZARDOUS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Eye Contact: Causes irritation.

Inhalation: Vapor irritating to the respiratory tract. Expected to be a low hazard for recommended handling.

Ingestion: May cause irritation to the gastrointestinal tract.

Skin Contact: Causes skin irritation,

Signs And Symptoms Of Exposure: Gastrointestinal upset, eye, skin, and respiratory irritation.

4. 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.

Aggravated Medical Conditions: Individuals who are under the care of a physician or have chronic ailments, should consult a physician before using this product.

Supplemental Health Information: None of the components in this product is listed by IARC, NTP, or OSHA as carcinogen.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point: Noncombustible Flash Point Method: Not applicable Auto ignition: Not applicable

LEL: Not applicable UEL: Not applicable

Extinguishing Media: Working solution: Use agent appropriate for the surrounding area for working solution. For concentrate: Use water spray, carbon dioxide, dry chemical, alcohol foam.

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire or excessive heat may produce hazardous decomposition products.

Unusual Fire And Explosion Hazards: Ammonia

Combustion Products: Carbon dioxide, carbon monoxide, oxides of nitrogen, and hydrogen bromide.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Spilled Or Released: 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. 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. Discharge to sewer requires approval of permitting authority. Working solution can be flushed to sewer with large amounts of water upon approval.

7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Store in a cool, dry, well-ventilated area. Keep containers closed. Do not store with incompatible materials. Do not store or consume food, drink, or tobacco where they may become contaminated with this material.

Other Precautions: All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Triple rinse before disposal.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: If conditions do not maintain vapors or fumes below recommended exposure limits, a respirator should be worn organic vapor cartridges. A full-face positive-pressure air-supplied respirator must be worn if hazardous decomposition products have been released or are likely to be released.

Ventilation: Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Typically 10 air changes per hour.

Protective Gloves: Rubber, or neoprene waterproof gloves are recommended.

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

Other Protective Clothing or Equipment: Protective clothing suitable for the exposure risk should be worn.

Work/Hygienic Practices: Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet.

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Exposure Guidelines: See Section 2.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Dark purple solution, slight ammonia odor

Boiling Point: >100°C

Specific Gravity: 1.2 g/ml

Evaporation Rate: N.E.

Molecular Weight: Not applicable

V.O.C. is 113.91 g/L or 9.48% or 0.95 lb./gal

Vapor Pressure: 18 mm Hg @ 20°C

Melting Point: Not applicable

Vapor Density: 0.6 (air=1)

Pounds Per Gallon: 10.02

Solubility In Water: Complete

Ph: 3.6

Freezing Point: N.E.

Percent Volatile: 62.14

Other Properties:

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: High temperatures

Incompatibility: Strong oxidizing agents, bases, sodium hypochlorite (bleach)

Hazardous Decomposition Or By Products: May produce ammonia, chloramines, hydrogen bromide, carbon

monoxide, carbon dioxide, nitrogen oxides.
Hazardous Polymerization: Will Not Occur

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

The 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 Class: NOT REGULATED
Hazard Class: NONE
UN No.: NOT APPLICABLE
Packing Group:
Guide No:
Ship Name:

15. REGULATORY INFORMATION

TSCA: All ingredients in this finished product are listed on the EPA TSCA INVENTORY.
SARA TITLE III: Ammonium hydroxide, Nitric Acid are reportable under Sara Title 313.
CALIF. PROP. 65: Product contains a mixture, which includes less than .00035 Trisodium NTA. The State of California's Safe Drinking Water and Toxic Enforcement Act of 1986, or Proposition 65 requires the following information. This regulation does not address de minimus levels; therefore, even trace amounts of the chemicals included on Proposition 65's list of chemicals known to the State of California to cause cancer or reproductive toxicity must be noted with the "Safe Harbor" wording. WARNING: This product contains Trisodium NTA – known to the State of California to cause cancer, birth defects or other reproductive harm.
CARCINOGENICITY: NONE OF THE COMPONENTS IN THIS CHEMICAL IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

16. OTHER INFORMATION (HMIS)

Health: 2
Flammability: 1
Reactivity: 0
Protective: B

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.