

Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072



IDENTITY (As Used on Label and List)
BERG RAPID R C SEPIA TONING SOLUTION

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name BERG COLOR-TONE, A Div. of Omega	Emergency Telephone Number 800-777-6634
Address (Number, Street, City, State, and ZIP Code) 1041 S. Carroll St.	Telephone Number for Information 410-374-3250
Hampstead, MD 21074	Date Prepared February 23, 2009
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
BATH 1: Aqueous hydrochloric acid formulation (about 2% by wt)				

BATH 2: Aqueous sodium hydroxide formulation (about 5% by wt); also contains thiocarbamide (about 3% by wt), considered to be an animal carcinogen: ORI-RAT, LD50 1750 mg/kg; may release traces of hydrogen sulfide (TLV 20 ppm) if acidified.

Section III — Physical/Chemical Characteristics

Boiling Point Like water	Specific Gravity (H ₂ O = 1) Like water
Vapor Pressure (mm Hg.) Like water	Melting Point Like water
Vapor Density (AIR = 1) Like water	Evaporation Rate (Butyl Acetate = 1) Like water

Solubility in Water
Both formulations are completely miscible with water

Appearance and Odor
Bath 1: blue, odorless; Bath 2: colorless; may have weak rotten egg odor

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Not flammable	Flammable Limits NIL	LEL	UEL
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Extinguishing Media
Baths 1/2: Non-combustible formulations

Special Fire Fighting Procedures
Use self-contained breathing apparatus

Unusual Fire and Explosion Hazards
May emit toxic fumes under fire conditions

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
Bath 1/2	Stable	X	

Incompatibility (Materials to Avoid)
Bath 2: Do not mix with Bath 1 or acids

Hazardous Decomposition or Byproducts
Bath 2: May emit hydrogen sulfide, carbon dioxide and nitrogen oxides

Hazardous Polymerization	May Occur		Conditions to Avoid
Bath 1/2	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
Bath 1/2	YES	YES	YES

Health Hazards (Acute and Chronic)
Bath 1: Can cause skin irritation with sensitive individuals; also eyes

Bath 2: Caustic is extremely destructive to eyes, skin, tissues of mucous membranes, can cause severe burns

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?
Bath 2: thiocarbamide is an animal carcinogen: MSDS No: 1135250070

Signs and Symptoms of Exposure
Bath 1: Skin and eye irritation

Bath 2: Burning sensation, coughing, shortness of breath, nausea, headache

Medical Conditions Generally Aggravated by Exposure

Information is not available

Emergency and First Aid Procedures
Bath 1/2: Immediately flush/flood skin and eyes with water for 15 minutes; remove contaminated clothing; if conscious and ingested give water or milk, consult physician.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled
Soak up in sponge with water (wear rubber gloves); wash with water in sink.

Neutralize small quantities of Bath 2 with household bleach slowly. Bath 1. neutralize with bicarbonate

Waste Disposal Method
Wash down drain with much water

Precautions to Be Taken in Handling and Storing
Do not mix Bath 1 and 2 formulations. Use in a well ventilated area, especially Bath 2.

Other Precautions
Read instructions packaged with product before using

Section VIII — Control Measures

Respiratory Protection (Specify Type)
Not required if area well ventilated or local exhaust used

Ventilation	Local Exhaust	Special
Yes	Yes	
	Mechanical (General)	Other

Protective Gloves: **Rubber gloves** Eye Protection: **Safety goggles**

Other Protective Clothing or Equipment
Not required

Work/Hygienic Practices
Practice good housekeeping; do not eat or drink in work area