

RANSOHOFF, INC.
MATERIAL SAFETY DATA SHEET

Product Name: BB/BR-100
MSDS DATE: 9/23/03
SUPERCEDES: 9/23/03

SECTION I MANUFACTURERS INFORMATION

HMIS HAZARD RATINGS: Health 2, Flammability 0, Reactivity 0
NFPA RATING: 2 0 0 B

MANUFACTURER: Ransohoff, Inc.
ADDRESS: 4933 Provident Drive
CITY, STATE, ZIP: Cincinnati, OH 45246
EMERGENCY TELEPHONE: CHEMTREC: U.S. and Canada (800)-424-9300
International (703)-527-3887
Ransohoff, Inc.: (800)-248-9274

SECTION II HAZARDOUS INGREDIENTS per 29 CFR 1910.1200

<u>MATERIAL</u>	<u>CAS NO.</u>	<u>ACGIH(TLV)</u>	<u>OSHA(PEL)</u>	<u>STEL</u>	<u>CEILING</u>	<u>WEIGHT %</u>
Disodium Trioxosilicate, pentahydrate	6834-92-0	N/D	N/D	N/D	N/D	< 5
Nonylphenol Ethoxylate	9016-45-9	N/D	N/D	N/D	N/D	< 5
Ethanol-2,2'-iminobis (DEA)	111-42-2	13 mg/m ³	15 mg/m ³	N/D	N/D	5-10

SECTION III PHYSICAL DATA

BOILING POINT: >212°F
FREEZING POINT: Not available
SPECIFIC GRAVITY, (H₂O = 1): 1.03
SOLUBILITY IN WATER By Wt. at 20°C.: 100%
% VOLATILES BY VOLUME: None more volatile than water
pH 12.5
APPEARANCE AND ODOR: blue liquid; detergent odor

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not Applicable. Will not burn.
FLAMMABLE LIMITS, (in Air % by Vol.): Not Applicable
AUTOIGNITION TEMPERATURE: Not Applicable
EXTINGUISHING MEDIA: To control adjacent fire.

SPECIAL FIRE FIGHTING PROCEDURES: CORROSIVE MATERIAL. Wear full protective equipment during a fire emergency since upon evaporation of water content, overexposure to decomposition products may cause a health hazard.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers exposed to extreme heat may rupture due to steam pressure build-up. Use water to cool closed containers.

SECTION V REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY: (Materials to avoid) Strong oxidizers, acids, nitrites.
HAZARDOUS DECOMPOSITION PRODUCTS: By fire, after evaporation of water content, thermal decomposition may produce oxides of carbon, nitrogen, and sulfur.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI HEALTH HAZARD DATA

This product contains no known carcinogens according to: OSHA, IARC, NTP.

EFFECTS OF OVEREXPOSURE: CORROSIVE MATERIAL. May cause damage to skin and eyes. Inhalation is not a normal route of entry but inhalation of mist may cause respiratory tract irritation.

EMERGENCY FIRST AID PROCEDURES: IF IN EYES: Flush with water for 15 minutes. Consult a physician. IF ON SKIN: Wash with soap and water. Remove contaminated clothing and footwear. INGESTION: Give plenty of water or milk. Do not induce vomiting. Consult a physician or poison control center immediately.

SECTION VII PROTECTION AND PRECAUTIONS

RESPIRATORY PROTECTION: Not normally needed. If misting might occur, wear a respirator approved by NIOSH/MSHA for mists.

VENTILATION: General

PROTECTIVE GLOVES: Rubber to avoid contact.

EYE PROTECTION: Safety glasses, chemical goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Apron and full face shield if splashing is likely. Safety shower, eye wash.

SECTION VIII SPILL OR LEAK PROCEDURES
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For all transportation accidents, call CHEMTREC AT (800)-424-9300.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Mop up small spills and rinse well with ample water. Contain large spills with sand, clay or commercial absorbent materials and pump into a suitable container for recovery or disposal. Spills are likely to be slippery; keep unauthorized people away. Material is corrosive; avoid skin and eye contact with spilled liquid. Wear gloves, aprons, rubber boots, and splash goggles.

WASTE DISPOSAL METHOD: Dispose of in accordance with all local, state, and federal regulations. This material is not considered a hazardous waste material in its purchased form.

SECTION IX SPECIAL PRECAUTIONS

CORROSIVE MATERIAL. Avoid skin and eye contact. Keep from freezing. Keep away from oxidizing substances. Keep closures on containers when not in use. Flush empty containers with water. Keep away from nitrites. Contains Diethanolamine, a secondary amine which under certain conditions may react with nitrites to form nitrosamines, which are carcinogenic.

SECTION X TRANSPORTATION DATA

DOT shipping classification:	Disodium trioxosilicate,8, UN3253, PG III
DOT Hazard Class:	Corrosive, 8
DOT Label:	Corrosive,8
DOT Placard:	Corrosive,8

SECTION XI REGULATORY INFORMATION
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Section 311 Hazardous categorization: Health: acute , chronic Fire Hazard: no Reactive Hazard: no Sudden Release of Pressure: no

Section 313 Toxic Chemical

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Wt. %</u>
Ethanol, 2,2'-iminobis	111-42-2	5-10

CERCLA 102(a)

<u>Chemical Name</u>	<u>CAS Number</u>	<u>RQ</u>
Ethanol, 2,2'-iminobis	111-42-2	1

EPA TSCA Chemical Inventory: All ingredients are listed

Ransohoff, Inc. cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.