

Material Safety Data Sheet

SECTION 1. GENERAL INFORMATION

COMPANY	CERRO CORP. 370 N. DRAPER LANE PROVO, UT 84601	TEL. NO. (801) 377-9207 FAX NO. (801) 377-9234
PRODUCT NAME	BIOBASE™ RUMEN	ISSUE DATE: 01/26/94

SECTION 2. INGREDIENTS

PROPRIETARY

Ingredients not precisely identified are proprietary or nonhazardous. Values are not product specifications.

SECTION 3. PHYSICAL DATA

BOILING POINT:	100°C
VAPOR PRESSURE (mmHg at 20°C):	N/A
VAPOR DENSITY (air = 1):	N/A
SOLUBILITY IN WATER:	c. 94%
pH (10 g/L H₂O):	6.2
SPECIFIC GRAVITY:	107.5
% VOLATILE BY VOLUME:	N/A
APPEARANCE AND ODOR:	Dark brown liquid / sweet odor.

SECTION 4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (and method):	N/A
AUTOIGNITION TEMP:	N/A
FLAMMABLE LIMITS (STP):	N/A
EXTINGUISHING MEDIA:	N/A
SPECIAL FIRE FIGHTING PROTECTIVE EQUIPMENT:	N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None

SECTION 5. REACTIVITY DATA

STABILITY:	Stable
INCOMPATIBILITY (materials to avoid):	None
HAZARDOUS DECOMPOSITION PRODUCTS:	None
HAZARDOUS POLYMERIZATION:	None

SECTION 6. HEALTH HAZARD ASSESSMENT

GENERAL: This health hazard assessment is based on information from commercial and scientific literature.

INGESTION: This product is classified as relatively harmless by ingestion.

EYE CONTACT: No irritation is likely to occur after human eye contact.

SKIN CONTACT: No skin irritation is likely.

SKIN ABSORPTION: This product will probably not be absorbed through human skin.

INHALATION: No toxic effects are known to be associated with inhalation of vapors from this material.

FIRST AID PROCEDURES

SKIN:

Wash material off the skin with plenty of soap and water. If redness, itching or a burning sensation develops, get medical attention.

EYES:

Immediately flush with plenty of water for at least 15 minutes. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.

INGESTION:

Give one or two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person.)

INHALATION:

No treatment necessary.

SECTION 7. SPILL OR LEAK PROCEDURES

SPILL:

Wash residue from spill area with water.

DISPOSAL:

Discarded product is not a hazardous waste under RCRA, 40 CFR 261. Follow all applicable federal, state and local regulations.

SECTION 8. SPECIAL PROTECTION INFORMATION

VENTILATION: None required.

RESPIRATORY PROTECTION: None required.

PROTECTIVE CLOTHING: None required.

EYE PROTECTION: None required.

OTHER PROTECTIVE EQUIPMENT: None required.

SECTION 9. SPECIAL PRECAUTIONS OR OTHER COMMENTS

Normal chemical handling and storage in a cool, dry place above freezing.

SECTION 10. REGULATORY INFORMATION

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are on the TSCA Chemical Substance Inventory. Not classified as a hazardous material.

CERCLA and SARA Regulations (40 CFR 355, 370 and 372):

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

All information, recommendations and suggestions appearing herein concerning this product are based upon tests or data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for the use of the product described herein. Since the actual use by others is beyond our control, we make no guarantee, expressed or implied, as to the effects of such use, the results to be obtained, or the safety and toxicity of the product; nor do we assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.
