



MATERIAL SAFETY DATA SHEET

13 REDEEM Carpet Extraction Rinse Concentrate

Date Prepared: 09/11/2000
Date Revised: 05/04/2001

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: 13 REDEEM Carpet Extraction Rinse Concentrate
Product Synonyms: Command Center 13 REDEEM Carpet Extraction Rinse Concentrate;
Outpost 13 REDEEM Carpet Extraction Rinse Concentrate

MANUFACTURER

The Butcher Company
67 Forest Street
Marlborough, MA 01752-3012

Butcher Telephone Number: 800-225-9475
Emergency Telephone (24 hours): 800-228-5635
CHEMTREC (U.S./Can.): 800-424-9300
CHEMTREC (Int'l): +1 703-527-3887

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT(S)</u>	<u>CAS NO.</u>	<u>% BY WEIGHT</u>
Sulfamic acid	5329-14-6	10 – 25
Dipropylene glycol monomethyl ether	34590-94-8	10 – 25
Linear primary alcohol ethoxylate	34398-01-1	1 – 3

See Section 8 for Exposure Limits NA - Not Applicable

OSHA REGULATORY STATUS: This product is classified as hazardous under OSHA regulations.
WHMIS CLASS: Class E; Class D- Division 2B

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear, Colorless to Light Yellow Liquid. Fresh Odor. Harmful if Swallowed. Causes Eye Irritation. May Cause Skin Irritation.

POTENTIAL HEALTH EFFECTS (See Section 11 for Toxicological Information)

PRIMARY ROUTE(S) OF EXPOSURE: Eye Skin Contact Skin Absorption
 Inhalation Ingestion

EFFECTS OF ACUTE EXPOSURE

EYES:

May cause severe eye irritation. Symptoms may include pain, tearing, redness, and clouding of the eye surface.

SKIN:

May cause skin irritation. Symptoms may include redness, rash and mild swelling.

**13 REDEEM Carpet Extraction Rinse
Concentrate**

Date Prepared: 09/11/2000
Date Revised: 05/04/2001

INHALATION:

High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing. High concentrations of vapor or mist may also cause central nervous system effects including headache, dizziness and nausea.

INGESTION:

Harmful if swallowed. May cause mouth, throat and stomach irritation. Symptoms may include nausea, vomiting and diarrhea. May also cause central nervous system effects including headache, dizziness and weakness.

EFFECTS OF CHRONIC EXPOSURE:

Prolonged contact may cause severe skin irritation. Symptoms may include pain, redness, rash, and swelling.

MEDICAL CONDITIONS AGGRAVATED:

May aggravate pre-existing eye, skin and respiratory conditions.

4. FIRST AID MEASURES

EYES:

Immediately flush eyes with plenty of water while holding eyelids apart. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not put any medication in the victim's eyes unless instructed by a physician. Get immediate medical attention.

SKIN:

Flush thoroughly with plenty of water, then wash with soap and water. Remove saturated clothing. Get medical attention if irritation develops or persists. Thoroughly wash (or discard) clothing and shoes before reuse.

INHALATION:

Remove to fresh air. If not breathing, give respiration; if breathing is difficult, give oxygen (by trained personnel only). Get medical attention if symptoms persist.

INGESTION:

Do not induce vomiting. Drink large quantities of water. Get immediate medical attention. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

FLASH POINT AND METHOD: >200°F 93°C TCC

FLAMMABLE LIMITS:

Not applicable.

AUTOIGNITION TEMPERATURE: Not applicable.

EXTINGUISHING MEDIA:

Use extinguishing media appropriate for surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS:

Normal products of combustion (carbon monoxide and carbon dioxide), nitrogen oxides and sulfur oxides.

FIRE AND EXPLOSION HAZARDS:

None known.

FIRE FIGHTING INSTRUCTIONS:

This product is not flammable. As in any fire, MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear should be worn.

6. ACCIDENTAL RELEASE MEASURES

See Section 8, Exposure Controls/Personal Protection and Section 3, Hazard Identification. Floors may be slippery. Use care to avoid falling. Ventilate spill area. Contain and isolate spill. Keep non-essential personnel from entering spill area. Use mop and absorbent to collect material for proper disposal. Use non-metallic implements for cleaning and collection. Rinse area with water.

7. HANDLING AND STORAGE

HANDLING:

Follow label use directions. Do not mix with other chemicals unless instructed by label directions. Avoid contact with eyes and skin. Avoid breathing mist. Wash thoroughly after handling. Remove saturated clothing. Wash clothing and equipment before reuse.

STORAGE:

Keep container closed when not in use. Store away from incompatible materials. (See Section 10, Stability and Reactivity).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

EYE:

Where eye contact is possible, wear safety glasses with side shields or chemical splash goggles (ANSI Z87.1 approved).

SKIN:

Where skin contact is possible, chemical-resistant clothing (e.g., gloves) should be worn.

RESPIRATORY:

No respiratory protection is required if ventilation is adequate.

ENGINEERING CONTROLS:

Good general room ventilation is expected to be adequate. If user operations generate vapor or mist, ventilation should be used to keep airborne concentrations below exposure limits.

**13 REDEEM Carpet Extraction Rinse
Concentrate**

Date Prepared: 09/11/2000
Date Revised: 05/04/2001

EXPOSURE LIMITS:

<u>INGREDIENT(S)</u>	<u>OSHA PEL/STEL</u>	<u>ACGIH TLV/STEL</u>
Sulfamic acid	NA	NA
Dipropylene glycol monomethyl ether	100 ppm (600 mg/m3)/ 150 ppm (Skin)	100 ppm (606 mg/m3)/ 150 ppm (Skin)
Linear primary alcohol ethoxylate	NA	NA

NA - Not Available

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
ODOR: Fresh
APPEARANCE: Clear, Colorless to Light Yellow
pH: 0.6
PERCENT VOLATILE BY WEIGHT: 93
VAPOR PRESSURE: Not Available
VAPOR DENSITY: Not Available
BOILING POINT: Not Available
FREEZING/MELTING POINT: Not Available
SOLUBILITY IN WATER: Complete
EVAPORATION RATE: Not Available
SPECIFIC GRAVITY: 1.07
VISCOSITY: Water Thin
OCTANOL/WATER PARTITION COEFFICIENT: Not Available
ODOR THRESHOLD: Not Available

10. STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID):

Stable.

POLYMERIZATION:

Will not occur.

HAZARDOUS DECOMPOSITION:

None known.

INCOMPATIBLE MATERIALS:

Oxidizers, chlorine (e.g., bleach), strong bases (e.g., sodium hydroxide), reactive metals (e.g., aluminum), and sulfides.

11. TOXICOLOGICAL INFORMATION

ACUTE DATA:

No data is available for this product. The following data are available for product ingredients:

13 REDEEM Carpet Extraction Rinse Concentrate

Date Prepared: 09/11/2000
Date Revised: 05/04/2001

<u>PRODUCT/INGREDIENT</u>	<u>ORAL LD₅₀ (rat)</u>	<u>DERMAL LD₅₀ (rabbit)</u>	<u>INHALATION LC₅₀ (rat)</u>
Sulfamic acid	3160 mg/kg	Not Available	Not Available
Dipropylene glycol monomethyl ether	5135 mg/kg	9500 mg/kg	Not Available
Linear primary alcohol ethoxylate	700–1700 mg/kg	>2000 mg/kg	Not Available

SENSITIZATION DATA:

No data available.

CHRONIC DATA:

Prolonged overexposure to dipropylene glycol monomethyl ether by inhalation has caused minor liver effects in laboratory animals; overexposure by dermal absorption has also caused minor kidney effects in laboratory animals.

REPRODUCTIVE/TERATOGENIC DATA:

No data available.

CARCINOGENIC/MUTAGENIC DATA:

Not listed as carcinogenic by NTP, IARC, or ACGIH or regulated as a carcinogen by OSHA.

SYNERGISTIC MATERIALS:

No data available.

12. ECOLOGICAL INFORMATION

This product is made with all biodegradable detergents. No other data available.

13. DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, state or provincial and federal regulations. The unused product, as manufactured, is a RCRA hazardous waste (Corrosive-D002) in accordance with 40 CFR 261. The product has not been evaluated by the Toxicity Characteristic Leachate Procedure (TCLP). According to RCRA, it is the responsibility of the waste generator to ensure proper disposal.

14. TRANSPORT INFORMATION

DOT/TDG HAZARDOUS MATERIAL DESCRIPTION: Corrosive Liquids, N.O.S.
DOT/TDG TECHNICAL NAME: Sulfamic acid
DOT/TDG HAZARD CLASS: 8
UN ID No./P.I.N. No.: 1760
DOT/TDG PACKING GROUP: III
NAERG: 154

15. REGULATORY INFORMATION

Not meant to be all-inclusive—selected regulations represented.

13 REDEEM Carpet Extraction Rinse Concentrate

Date Prepared: 09/11/2000
Date Revised: 05/04/2001

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Under 40 CFR 370.2, this product meets the following hazard categories:
Immediate, Delayed.

313 REPORTABLE INGREDIENTS: Ingredients in this product are not currently subject to notification.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None of the ingredients in this product are reportable under CERCLA.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: This product complies with all TSCA inventory requirements.

MASSACHUSETTS, NEW JERSEY, PENNSYLVANIA RIGHT-TO-KNOW:

<u>INGREDIENT(S)</u>	<u>CAS NO.</u>	<u>STATE LISTING</u>
Water	7732-18-5	Not Listed
Sulfamic acid	5329-14-6	NJ
Dipropylene glycol monomethyl ether	34590-94-8	MA, NJ, PA
Linear primary alcohol ethoxylate	34398-01-1	Not Listed

NA - Not Applicable

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):

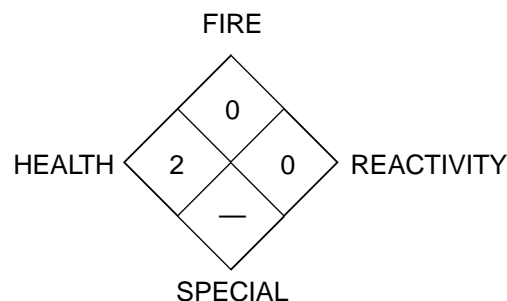
Class D- Division 2B, eye and skin irritant; Class E- corrosive to aluminum and mild steel. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

HMIS RATING

HEALTH	-	2
FLAMMABILITY		0
REACTIVITY		0
PERSONAL PROTECTION		-

NFPA RATING



MSDS STATUS

Revision #: 1

This MSDS replaces the September 11, 2000 MSDS. Any changes in information are as follows:
In Section 1
General Use Statement

**13 REDEEM Carpet Extraction Rinse
Concentrate**

Date Prepared: 09/11/2000
Date Revised: 05/04/2001

APPROVED BY: EH&S/Regulatory Affairs
APPROVAL DATE: 05/04/2001

The information on this data sheet represents our current data and best opinion as to the proper use in handling of the product under normal foreseeable conditions. Any use of this product which is not in conformance with this data sheet or product label, or which involves using the product in combination with any other product or any other process is the responsibility of the user.