



## MATERIAL SAFETY DATA SHEET

RED ROCKET Multi-Purpose Degreaser

Date Prepared: 05/29/1997  
Date Revised: 06/29/1997

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: RED ROCKET Multi-Purpose Degreaser

#### MANUFACTURER

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

Butcher Telephone Number: 800-225-9475  
Emergency Telephone (24 hours): 800-228-5635 Ext 118

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT(S)</u>	<u>CAS NO.</u>	<u>% BY WEIGHT</u>
2-Butoxyethanol	111-76-2	3 - 5
Diethylene glycol ethyl ether	111-90-0	3 - 5
Sodium carbonate	497-19-8	3 - 5
Sodium metasilicate	6834-92-0	1 - 1.5
Sodium hydroxide	1310-73-2	0.25 - <1.0

*See Section 8 for Exposure Limits*      *NA - Not Applicable*

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Clear, Red Liquid. Mild Odor. May Cause Eye Burns and Skin Irritation. May Be Harmful if Swallowed.

#### 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 eye burns. Symptoms may include pain, tearing, redness, swelling, and eye injury.

##### SKIN:

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

##### INHALATION:

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

---

**INGESTION:**

May be harmful if swallowed. May cause mouth, throat and stomach burns. Symptoms may include nausea, vomiting, diarrhea, and severe stomach pain. May also cause central nervous system effects including headache, dizziness and weakness.

**EFFECTS OF CHRONIC EXPOSURE:**

Prolonged or repeated contact may cause skin irritation.

**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) and sodium 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. 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, skin, and clothing. Avoid breathing vapor or mist. Wash thoroughly after handling. Remove contaminated 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 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 general room ventilation is adequate and airborne concentrations are kept below exposure limits. When exposure limits are exceeded, use appropriate respiratory protection (NIOSH/MSHA) to prevent overexposure.

**ENGINEERING CONTROLS:**

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.

**EXPOSURE LIMITS:**

<u>INGREDIENT(S)</u>	<u>OSHA PEL/STEL</u>	<u>ACGIH TLV/STEL</u>
2-Butoxyethanol	25 ppm (120 mg/m3)/ (Skin)	25 ppm (121 mg/m3)/ (Skin)
Diethylene glycol ethyl ether	NE	NE
Sodium carbonate	NE	NE
Sodium metasilicate	NE	NE
Sodium hydroxide	2 mg/m3 /(Ceiling)	2 mg/m3 /(Ceiling)

NE - Not Established

**9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Liquid  
 ODOR: Mild  
 APPEARANCE: Clear, Red  
 pH: 12.6 to 13.1  
 PERCENT VOLATILE BY WEIGHT: 92  
 VAPOR PRESSURE: Not Determined  
 VAPOR DENSITY: Not Determined  
 BOILING POINT: Not Determined  
 FREEZING/MELTING POINT: Not Determined  
 SOLUBILITY IN WATER: Complete  
 EVAPORATION RATE: Not Determined  
 SPECIFIC GRAVITY: 1.06  
 VISCOSITY: Water Thin  
 OCTANOL/WATER PARTITION COEFFICIENT: Not Determined  
 ODOR THRESHOLD: Not Determined

**10. STABILITY AND REACTIVITY**

STABILITY (CONDITIONS TO AVOID):  
 Stable.

POLYMERIZATION:  
 Will not occur.

HAZARDOUS DECOMPOSITION:  
 None.

INCOMPATIBLE MATERIALS:  
 Strong acids (e.g., hydrochloric) and oxidizers (e.g., bleach).

**11. TOXICOLOGICAL INFORMATION**

ACUTE DATA:  
 This product may cause severe eye irritation or burns and mild skin irritation. Based on acute toxicity testing, it is not considered to be toxic by ingestion. The following data are available for this product and its ingredients:

**RED ROCKET Multi-Purpose Degreaser**Date Prepared: 05/29/1997  
Date Revised: 06/29/1997

<u>PRODUCT/INGREDIENT</u>	<u>ORAL LD<sub>50</sub> (rat)</u>	<u>DERMAL LD<sub>50</sub> (rabbit)</u>	<u>INHALATION LC<sub>50</sub> (rat)</u>
RED ROCKET Multi-Purpose Degreaser	>5000 mg/kg	Not Available	Not Available
2-Butoxyethanol	470 mg/kg	220 mg/kg	450 ppm (4-hr)
Diethylene glycol ethyl ether	5500 mg/kg	8500 mg/kg	200 mg/L (1-hr)
Sodium carbonate	4090 mg/kg	Not Available	2300 mg/m <sup>3</sup> (2-hr)
Sodium metasilicate	600–1153 mg/kg	Not Available	Not Available
Sodium hydroxide	Not Available	1350 mg/kg	Not Available

**SENSITIZATION DATA:**

No data available.

**CHRONIC DATA:**

Prolonged overexposure to high concentrations of diethylene glycol ethyl ether by ingestion has caused liver and kidney effects in laboratory animals; prolonged overexposure by dermal absorption has also caused kidney effects in animals. Prolonged overexposure to high concentrations of 2-butoxyethanol by skin absorption, ingestion and inhalation has caused blood, liver and 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: Not regulated

**15. REGULATORY INFORMATION***Not meant to be all-inclusive—selected regulations represented.*

**RED ROCKET Multi-Purpose Degreaser**

Date Prepared: 05/29/1997  
Date Revised: 06/29/1997

**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: 2-Butoxyethanol and diethylene glycol ethyl ether are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 under the chemical category Glycol Ethers.

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

CERCLA REGULATORY: Not reportable under CERCLA.

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

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

**USDA (U.S. DEPARTMENT OF AGRICULTURE):**

This product is authorized for use in federally inspected meat and poultry plants.

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

<u>INGREDIENT(S)</u>	<u>CAS NO.</u>	<u>STATE LISTING</u>
2-Butoxyethanol	111-76-2	MA, NJ, PA
Diethylene glycol ethyl ether	111-90-0	Not Listed
Sodium carbonate	497-19-8	Not Listed
Sodium metasilicate	6834-92-0	Not Listed

NA - Not Applicable

**CANADA**

**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):**

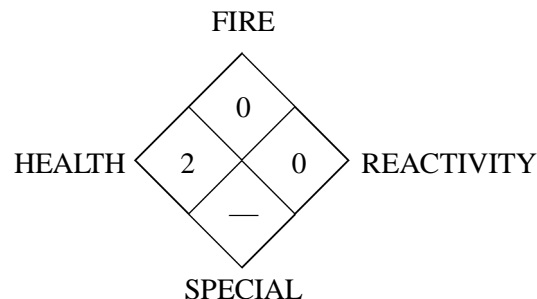
Class D-Division 2B, eye and skin irritant. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**16. OTHER INFORMATION**

**HMIS RATING**

HEALTH	*	3
FLAMMABILITY		0
REACTIVITY		0
PERSONAL PROTECTION		-

**NFPA RATING**



**RED ROCKET Multi-Purpose Degreaser**

Date Prepared: 05/29/1997  
Date Revised: 06/29/1997

---

MSDS STATUS

New MSDS

APPROVED BY: EH&S/Regulatory Affairs

APPROVAL DATE: 06/29/1997

*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.*