



MATERIAL SAFETY DATA SHEET

BLAST Ultra-Concentrated
Non-Solvent
Cleaner/Degreaser

MSDS Ref. No: 4321
Date Prepared: 03/14/2002
Date Revised: 03/14/2002

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME/USE: BLAST Ultra-Concentrated Non-Solvent Cleaner/Degreaser

36 BLAST Non-Solvent Cleaner/Degreaser Concentrate

Product Synonyms: Command Center 36 BLAST Non-Solvent Cleaner/Degreaser Concentrate;

Outpost 36 BLAST Non-Solvent Cleaner/Degreaser 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

INGREDIENT(S)	CAS#	% BY WEIGHT
Sodium metasilicate	6834-92-0	7 - 10
Linear primary alcohol ethoxylate	34398-01-1	3 - 5
Dibasic fatty acid sodium salt	68127-35-5	1 - 1.5

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

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear, Red Liquid . Mild Detergent Odor. Causes Eye and Skin Burns.

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: Causes eye burns. Symptoms may include pain, tearing, redness, and eye injury.

SKIN: Causes skin burns. Symptoms may include pain, redness, swelling, scarring, and skin damage.

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.

INGESTION: May cause mouth, throat and stomach burns. Symptoms may include nausea, vomiting, diarrhea and severe stomach pain.

EFFECTS OF CHRONIC EXPOSURE: Prolonged inhalation overexposure to high concentrations of concentrated alkaline

BLAST Ultra-Concentrated Non-Solvent Cleaner/Degreaser

materials can cause respiratory tract injury.

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: Immediately flush with plenty of water for at least 15 minutes, then wash with soap and water. Immediately remove contaminated clothing. Get medical attention if irritation develops or persists. Thoroughly wash (or discard) clothing before reuse. Destroy contaminated shoes.

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

INGESTION: Do not induce vomiting. Rinse mouth out with water. 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: > 93°C (200°F)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).

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, skin and clothing. Avoid breathing vapor or mist. Wash thoroughly after handling. Immediately remove contaminated clothing. Wash clothing and equipment before reuse. Destroy contaminated shoes. Empty containers retain residue and may be hazardous (See Section 14, Transport Information.).

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 gloves should be worn. When additional skin contact is possible, other protective equipment and clothing (e.g., footwear) may be needed. All contaminated clothing should be removed immediately and cleaned (or discarded) before reuse.

RESPIRATORY: No respiratory protection is required if ventilation is adequate to prevent overexposure. When overexposure

BLAST Ultra-Concentrated Non-Solvent Cleaner/Degreaser

may occur, use appropriate respiratory protection (NIOSH)/MSHA-approved).

ENGINEERING CONTROLS: Good general room ventilation is expected to be adequate.

EXPOSURE LIMITS:

INGREDIENT(S)

Sodium metasilicate

Linear primary alcohol ethoxylate

Dibasic fatty acid sodium salt

OSHA PEL/STEL

NA

NA

NA

ACGIH TLV/STEL

NA

NA

NA

NA - Not Available

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild Detergent

APPEARANCE: Clear, Red

pH: 12.7 to 14.0

PERCENT VOLATILE BY WEIGHT: 86

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: 1.1

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 known.

INCOMPATIBLE MATERIALS: Strong acids (e.g., hydrochloric) and reactive metals (e.g., aluminum).

11. TOXICOLOGICAL INFORMATION

ACUTE DATA: This product is expected to be corrosive to the eyes and skin due to its high alkalinity. The following data are available for product ingredients:

PRODUCT/INGREDIENT

Sodium metasilicate

ORAL LD₅₀ (rat)

600 - 1153

mg/kg

DERMAL LD₅₀ (rabbit)

Not Available

INHALATION LC₅₀ (rat)

Not Available

Linear primary alcohol ethoxylate

700 - 1700

mg/kg

>2000 - mg/kg

Not Available

Dibasic fatty acid sodium salt

>6000 - mg/kg

Not Available

> Not Available

SENSITIZATION DATA: No data available.

CHRONIC DATA:

Repeated inhalation of high concentrations of alkaline materials has been reported to cause impairment of lung function with shortness of breath, chemical pneumonia and pulmonary edema.

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.

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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 liquid, basic, inorganic, n.o.s.

DOT/TDG TECHNICAL NAME: Sodium metasilicate

DOT/TDG HAZARD CLASS: 8

UN ID No./P.I.N. No.: 3266

DOT/TDG PACKING GROUP: III

NAERG: 154

15. REGULATORY INFORMATION

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

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:

INGREDIENT(S)

Water

Sodium metasilicate

Linear primary alcohol ethoxylate

Dibasic fatty acid sodium salt

NA - Not Applicable

CAS NO.

7732-18-5

6834-92-0

34398-01-1

68127-35-5

STATE LISTING

Not Listed

Not Listed

Not Listed

Not Listed

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Class E- Corrosive material. 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.

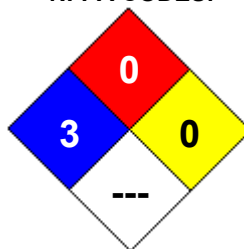
16. OTHER INFORMATION

BLAST Ultra-Concentrated Non-Solvent Cleaner/Degreaser

HMIS RATING

HEALTH	*	3
FLAMMABILITY		0
REACTIVITY		0
PERSONAL PROTECTION		-

NFPA CODES:



APPROVED BY: Product Safety & Regulatory

MSDS STATUS

Revision No: 2

Revision #: 2

This MSDS replaces the January 04, 2000 MSDS. Any changes in information are as follows:

In Section 1

Approved by Prepared By Date Prepared [] Print CHEMTREC Phone Number

In Section 10

Hazardous Decomposition Products

In Section 15

OSHA Hazard Comm. Rule WHMIS Class

APPROVAL DATE: 03/14/2002

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.