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**V - Reactivity Data**

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**STABILITY:** Stable

**INCOMPATIBILITY:** Strong acids.

**CONDITIONS TO AVOID:** None.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of carbon.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None

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**VI - Health Hazard Data**

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**ROUTES OF ENTRY INHALATION: EYE CONTACT: X SKIN CONTACT: X INGESTION: X**

**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** None.

**EFFECTS OF OVEREXPOSURE**

**IF IN EYES:** Moderate to severe irritation and redness.

**IF ON SKIN:** Redness, dryness and irritation, with prolonged or repeated exposure.

**IF SWALLOWED:** Gastrointestinal irritation, nausea, cramps, vomiting.

**IF INHALED:** No hazards under normal use.

**EMERGENCY AND FIRST AID PROCEDURES**

**IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

**IF ON SKIN:** Remove contaminated clothing. Wash with water. If irritation persists, obtain medical attention.

**IF SWALLOWED:** Contact physician or poison control center immediately. Give affected person one to two glasses of water. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything to an unconscious person.

**IF INHALED:** Remove person to fresh air.

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**VII - Spill or Leak Protection**

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Contain spill and soak up spilled material with inert absorbent material and place in a properly marked closed container for proper disposal.

**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

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**VIII - Special Protection Information**

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**RESPIRATORY PROTECTION:** Use with adequate ventilation.

**VENTILATION**

**LOCAL:** Not required

**MECHANICAL:** Not required

**PROTECTIVE GLOVES:** Chemical resistant.

**EYE PROTECTION:** Safety glasses or chemical goggles

**OTHER PROTECTIVE EQUIPMENT:** None.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place. Keep container tightly closed when not in use.

**OTHER PRECAUTIONS:** Keep out of reach of children.

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**IX - Transportation Information (ground transportation only)**

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**DOT PROPER SHIPPING NAME:** None

**DOT CLASS:** None

**DOT ID NUMBER:** None

**DOT PACKING GROUP:** None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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**REVISION DATE:** December 5, 2003

**Prepared by:** PMR

**DATE OF ISSUE:** February 12, 2004

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Total Solutions assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material such vendees or users assume all risks associated with the use of this material.

# MATERIAL SAFETY DATA SHEET

Bio Chem, Inc.  
P.O. Box 521925  
SLC, UT84152 - USA

**TOTAL  
SOLUTIONS**

GENERAL INFORMATION NUMBER: 1-800-653-9795

REVISION DATE: August 15, 2001  
DATE OF ISSUE: October 24, 2002

## I - Product Identification

### Non-Butyl Cleaner Concentrate

PRODUCT CODE: 0411

CHEMICAL FORMULATION: Water based alkaline cleaner.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0  
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

## II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
Sodium Metasilicate	1.00-5.00	N/E	N/E	N	N	N	6834-92-0
Sodium Tripolyphosphate	1.00-5.00	N/E	N/E	Y	N	N	7758-29-4
Poly (oxyethylene) nonylphenol	1.00-5.00	N/E	N/E	N	N	N	9016-45-9

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

## III - Physical Data

BOILING POINT (°F): N/D SPECIFIC GRAVITY (WATER = 1): 1.04  
VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): N/D  
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): N/D  
SOLUBILITY IN WATER: Soluble pH: 12.25-13.25  
APPEARANCE AND ODOR: Clear to slightly hazy, pink liquid; slight detergent odor.

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): N/A (TEST METHOD): Closed cup  
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/D LOWER: N/D  
EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical.  
SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.  
UNUSUAL FIRE AND EXPLOSION HAZARD: None.

This highly built alkaline cleaner is formulated to clean and degrease without harsh solvents, butyl or alcohols. Suitable for use on all surfaces not harmed by water and may be used in automatic scrubbers, pressure washers, hot tanks and spray cleaners. Its non-irritating properties make it ideal for cleaning all protective rubber clothing, diving suits, respirators, masks and facepieces.

**DIRECTIONS**

Use a 1:20 dilution (6 ounces per gallon) for common cleaning chores, including hard surfaces such as floors, walls, appliances and painted surfaces. Heavy grease and grime deposits may require a more concentrated dilution of 1:10 or 1:5. Warm or hot water speeds cleaning action, allowing higher dilutions for light cleaning chores. Rinse surfaces with clean water.

# NON-BUTYL CLEANER CONCENTRATE

MULTI-PURPOSE  
CLEANER  
AND DEGREASER

**CAUTION**

Harmful if swallowed. See side panel for further cautions and first aid instructions.

**KEEP OUT OF REACH OF CHILDREN**

Sold By:

**CAUTION**

Harmful if swallowed. Avoid contact with eyes or mucous membranes or prolonged contact with skin.

**FIRST AID**

**If On Skin:** Flush with water.

**If In Eyes:** Flush eyes and under eyelids with cool water for at least 15 minutes and obtain medical attention.

**If Swallowed:** Give person several glasses of water followed with citrus fruit juice. Call physician immediately.

**KEEP OUT OF REACH OF CHILDREN**

This product contains	CAS Number
Water	7732-18-6
Sodium Metasilicate	6834-92-0
Sodium Tripolyphosphate	7758-29-4
Poly(oxyethylene)nonylphenol	9016-46-9
Poly(oxy-1,2-ethanediyl-alpha-hydry-omega-hydroxy-C <sub>10-18</sub> -alkyl ether surfacess	68130-47-2

41191300

**NET CONTENTS:**

5  6  20  30  55

GALLONS