
V - Reactivity Data

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

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** X **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:** Severe irritation, redness, tearing. Possible corneal injury.**IF ON SKIN:** Moderate to severe irritation, chapping, and dermatitis with prolonged or repeated exposure.**IF SWALLOWED:** Irritation to mucous membranes, nausea, cramps, diarrhea.**IF INHALED:** Irritation to respiratory tract, dizziness, headache.**EMERGENCY AND FIRST AID PROCEDURES****IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Call a physician immediately and continue flushing until medical attention is obtained.**IF ON SKIN:** Remove contaminated clothing and launder before reuse. Flush with plenty of cool water for at least 15 minutes. Obtain medical attention, if irritation persists.**IF SWALLOWED:** Contact physician or poison center immediately. Rinse mouth with water. Give person one to two glasses of water. Do not induce vomiting unless told to do so by a physician or poison control center. Never give anything by mouth to an unconscious person.**IF INHALED:** Remove person to fresh air. Call a physician if irritation persists.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area. Contain spill. Soak up spilled material with inert absorbent material and place in a properly labeled closed container for proper disposal.**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.**VENTILATION****LOCAL:** Recommended**MECHANICAL:** Not required**PROTECTIVE GLOVES:** Chemical resistant.**EYE PROTECTION:** Safety glasses or chemical goggles.**OTHER PROTECTIVE EQUIPMENT:** Protective clothing, eyewash station.**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool dry area, away from acids. Do not mix with any other cleaning chemical. Rinse container before discarding. Keep container tightly closed when not in use.**OTHER PRECAUTIONS:** Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: None**DOT CLASS:** N/A**DOT ID NUMBER:** N/A**DOT PACKING GROUP:** N/A

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.

REVISION DATE: December 8, 2003**Prepared by:** PMR**DATE OF ISSUE:** December 8, 2003

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

Super Power #1

PRODUCT CODE: 0413

CHEMICAL FORMULATION: Water based alkaline cleaner.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2 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	
2-Butoxyethanol	5.00-10.0	25 ppm (skin)	25 ppm (skin)	N	N	Y	111-76-2
Sodium Tripolyphosphate	1.00-5.00	N/E	N/E	Y	N	N	7758-29-4
Sodium Metasilicate	1.00-5.00	N/E	N/E	N	N	N	6834-92-0
Alkylbenzene Sulfonic Acid	1.00-5.00	N/E	N/E	N	N	N	27176-87-0
Sodium Hydroxide	.10-.50	2 mg/m ³	2 mg/m ³ C	Y	N	N	1310-73-2

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: 1.02
VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): 5.00-10.00
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): N/D
SOLUBILITY IN WATER: Soluble pH: 12.00-13.00
APPEARANCE AND ODOR: Clear, dark blue liquid; glycol odor.

IV - Fire and Explosion Hazard Data

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

This concentrated cleaner and degreaser combines water softeners and biodegradable low phosphate surfactants to power away heavy dirt, grease and grime from most surfaces.

DIRECTIONS

Dilute this concentrate in warm or hot water for best performance. Spray, brush or mop on and allow to penetrate and loosen deposits, then flush away with a clean water rinse.

FOR CLEANING FLOORS: Concrete, ceramic, tile, terrazzo, magnesite, vinyl, rubber - use dilution (A).

FOR KITCHEN CLEANING: Oven cleaning (F), deep fat fryers (F), flues (F), canopy and ductwork (F), greasy floors and wooden mats (E), walls (B), refrigerators (D), lighting fixtures (B).

FOR SCHOOLS: Gymnasium equipment (E), lockers (A), steel files and cabinets (A), bulletin boards (A), showers and pools (D).

FOR PRINTERS: Presses, walls, mats and floors dilution (E) will remove the most tenacious ink.

FOR: Rubber clamping (D), plastic (C), brick (F), skylights (D), grills (F), air conditioners and heat blower units (A), electric fans (D), white wall tires (E), air filters (F).

FOR: Conveyors, engines, exhaust stains, machinery, metal stock, welding equipment, use dilution (F).

FOR: Busses, trucks, heavy equipment (E).

SUPER #1 POWER

CONCENTRATE CLEANER

WITH 6% BUTYL

NON-FLAMMABLE

BIODEGRADABLE

CAUTION

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

KEEP OUT OF REACH OF CHILDREN

Sold By:

APPLICATION	PARTS OF CLEANER	DILUTIONS	PARTS OF WATER
A	1	1	30
B	1	1	20
C	1	1	15
D	1	1	10
E	1	1	6
F	1	1	3

FOR STUBBORN DEPOSITS: Allow solution to remain on floor for 5 minutes, agitate with steel wool or sponge, then rinse with warm water.

CAUTION

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

FIRST AID

External - Flush with water.

Eyes - Flush with plenty of cool water for at least 15 minutes and obtain immediate medical attention.

Internal - Give several glasses of water, followed with citrus fruit juice. Call a physician immediately.

KEEP OUT OF REACH OF CHILDREN

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NET CONTENTS:

5 6 20 30 55

GALLONS