

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

OGS (Oven, Grill & Smokehouse Cleaner)

PRODUCT CODE: 0427

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	ACGIH	EPA 40 CFR:			CAS #
		PEL	TLV	302	355	372	
2-Butoxyethanol	1.00-5.00	25 ppm (skin)	25 ppm (skin)	N	N	Y	111-76-2
Potassium Hydroxide	1.00-5.00	2 mg/m ³ C	2 mg/m ³ C	Y	N	N	1310-58-3
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
Sodium Laureth Sulfate	1.00-5.00	N/E	N/E	N	N	N	9004-82-4

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: 1.07
VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): ~3.00
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): ~1.00
SOLUBILITY IN WATER: Soluble pH: 13.55-13.75
APPEARANCE AND ODOR: Clear, yellow liquid; detergent odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): N/A (TEST METHOD): N/A
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

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: Acids, aluminum, tin and zinc.

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: Corrosive. Severe destruction of tissue, possibly resulting in blindness.

IF ON SKIN: Corrosive. Severe irritation, burns and ulcerations.

IF SWALLOWED: Severe burns, destruction of tissue, DANGER - may be fatal if swallowed.

IF INHALED: Will cause irritation to the respiratory tract.

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 SWALLOWED: Contact physician or poison center immediately. Give person several glasses of water. 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 and neutralize with a dilute acid solution. Soak up spilled material with inert absorbent material and place in properly labeled container for disposal.

WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists. 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 gauntlet type.

EYE PROTECTION: Goggles and/or face shield.

OTHER PROTECTIVE EQUIPMENT: Protective clothing, emergency shower and eye wash 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. Never add water to this product always add this product to water, slowly stirring. 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: Compounds, cleaning liquid (potassium hydroxide)

DOT CLASS: 8

DOT ID NUMBER: NA1760

DOT PACKING GROUP: III

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.

REVISED DATE: March 24, 2004

Prepared by: PMR

DATE OF ISSUE: March 24, 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.

This highly concentrated foaming cleaner is designed for use on ovens, grills, deep fryers, smokehouses, meat curing equipment, and food processing equipment. Its powerful surfactants and caustic cleaners soften and lift tough deposits for easy removal.

DIRECTIONS: This foaming cleaner may be used as is, or diluted with up to 10 parts hot water. When applied through appropriate foam generating equipment, it will produce a thick, clinging foam. Adjust the dilution rate according to cleaning requirements and the method of application used. Apply solution or foam, and allow to penetrate and soften deposits. Scrape or flush away deposits, then rinse thoroughly with clean water.

O.G.S.

OVEN, GRILL AND SMOKEHOUSE CLEANER

REMOVES DIRT, GREASE,
FATS, OIL, CARBON,
AND BAKED-ON DEPOSITS



DANGER POISON
HARMFUL OR FATAL IF SWALLOWED
CAUSES SEVERE BURNS

See side panel for further cautions
and first aid instructions.

KEEP OUT OF REACH OF CHILDREN

Sold by:



DANGER POISON
HARMFUL OR FATAL IF SWALLOWED
CAUSES SEVERE BURNS

Avoid contact with skin, eyes, mucous membranes or clothing. Use rubber gloves and eye protection when handling.

FIRST AID:

External: Flood with water then wash with vinegar.

Internal: Drink large quantities of water followed with citrus fruit juice. Call a physician or poison control center immediately.

Eyes: Call a physician immediately. Flush eyes and under eyelids with plenty of cool water until medical help arrives.

KEEP OUT OF REACH OF CHILDREN

This product contains	CAS Number
Potassium hydroxide	1310-58-3
2-butoxyethanol	111-76-2
Sodium metasilicate	6834-92-0
Coconut diethanolamide	68603-42-9
Sodium laureth sulfate	68891-38-3

42791300

NET CONTENTS: