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**SPARTAN CHEMICAL CO., INC.
MATERIAL SAFETY DATA SHEET**

SECTION I: PRODUCT INFORMATION

PRODUCT NAME OR NUMBER (as it appears on label)
OVEN & GRILL CLEANER (BULK)

MANUFACTURER'S NAME
Spartan Chemical Co., Inc.

EMERGENCY TELEPHONE NO.
419/531-5551

ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE)
110 N. Westwood Ave., Toledo, OH 43607

MANUFACTURER'S D-U-N-S NO.
00-503-6728

NFPA RATINGS:	HMIS RATINGS:
HEALTH-3 FIRE-1 REACT-0	HEALTH-3 FIRE-0 REACT-0 PERS. PROT.-B

SECTION II: HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	%W	CHEMICAL NAME(S)	TABLE Z-1-A			CARCINOGEN
			TWA mg/M ³	STEL mg/M ³	CEILING mg/M ³	
*111-76-2	5	2-Butoxyethanol	120	—	—	No
1310-73-2	4	Sodium hydroxide	—	—	2	No
141-43-5	1-5	Monoethanolamine	8	15	—	No

*This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (SARA) and of 40 CFR 372.

SECTION III: PHYSICAL DATA

BOILING POINT 212°F	SPECIFIC GRAVITY (H ₂ O = 1) 1.05	PERCENT SOLID BY WEIGHT 5-15
VAPOR PRESSURE 18mm @ 75°F	EVAPORATION RATE (but. ace. = 1) <1	
VAPOR DENSITY (AIR = 1) Complete	APPEARANCE AND ODOR Clear light gold liquid, lemon fragrance	IS MATERIAL: (LIQUID) SOLID GAS PASTE POWDER
SOLUBILITY IN WATER Complete		
pH 13.4-13.9		

SECTION IV: FIRE & EXPLOSION HAZARD DATA

FLASH POINT - None

METHOD USED - ASTM - D92

FLAMMABLE LIMITS - n/a

EXTINGUISHING MEDIA - n/a

SPECIAL FIRE FIGHTING PROCEDURES - n/a

UAL FIRE AND EXPLOSION HAZARDS - n/a

SECTION V: HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - CONDITIONS TO AVOID THRESHOLD LIMIT VALUE - Not established
Severe eye and skin irritant. Avoid prolonged or repeated skin contact and inhalation of vapors or mist. Butoxyethanol is absorbed through the skin which may affect the liver, kidneys, lymph and blood systems; inhalation may irritate throat and respiratory system.

PRIMARY ROUTES OF ENTRY INHALATION SKIN CONTACT OTHER (SPECIFY) _____

CONDITIONS AGGRAVATED BY USE - Unknown

EMERGENCY AND FIRST AID PROCEDURES - EYES: In case of contact, immediately flush eyes with water for at least 15 minutes; call a physician immediately. SKIN: In case of skin contact, flush with water. Wash clothing before reuse. INGESTION: If swallowed, do not induce vomiting. Give large quantities of water. Call a physician immediately. Never give anything by mouth to an unconscious person.

SECTION VI: REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS

None known

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Small quantities can be flushed with water into sanitary sewer; large quantities should be absorbed and disposed of in accordance with local, state and Federal regulations.

WASTE DISPOSAL METHOD

Same as above.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE) - None required

VENTILATION - Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

PROTECTIVE GLOVES (SPECIFY TYPE)

Alkali resistant gloves

OTHER PROTECTIVE EQUIPMENT

Under ceratin conditions, alkali resistant aprons and boots are suggested.

EYE PROTECTION (SPECIFY TYPE)

Safety glasses

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Nothing special

OTHER PRECAUTIONS

None

Spartan Chemical Co., Inc.

OVEN & GRILL CLEANER (BULK)

Ref: 29 CFR 1910:1200 (OSHA)

NAME	Thomas J. Mitchell
TITLE	Director of Research
DATE	December 21, 1992
SUPERCEDES	June 1, 1990