

**SPARTAN CHEMICAL COMPANY, INC.
WHMIS MATERIAL SAFETY DATA SHEET**

SECTION I: PRODUCT INFORMATION

PRODUCT IDENTIFIER:
DAMP MOP QUAT 2

PRODUCT USE: Cleaner Disinfectant

MANUFACTURER'S NAME & ADDRESS
Spartan Chemical Company, Inc.
1110 Spartan Drive, Maumee, OH 43537 USA

MEDICAL EMERGENCY TELEPHONE
888/314-6171 (24 Hours)
PRODUCT INFORMATION: 800/537-8990

SECTION II: HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	% W	CHEMICAL NAME(S)	TLV			LD50	LC50
			TWA mg/m ³	STEL mg/m ³	Ceiling mg/m ³		
68424-95-3	1-5	Dialkyl dimethyl ammonium chloride	----	Not Established	----	455 mg/kg (rat)	Not available
68424-85-1	1-5	Benzalkonium chloride	----	Not Established	----	426 mg/kg (rat)	Not available
68131-39-5	1-5	Alcohol ethoxylate	----	Not Established	----	4250 mg/kg (rat)	Not available
64-02-8	0.5-1.5	Tetrasodium EDTA	----	Not Established	----	3030 mg/kg (rat)	Not available
64-17-5	0.1-1.0	Ethanol	1900	---	---	7060 mg/kg (rat)	Not available

SECTION III: PHYSICAL DATA

BOILING POINT > 100°C (212°F)	SPECIFIC GRAVITY (H₂O = 1) 1.00 -1.01	PERCENT SOLID BY WEIGHT 10-15
VAPOUR PRESSURE Not established	EVAPORATION RATE (butyl acetate = 1) < 1	FREEZING POINT Not available
VAPOUR DENSITY (AIR = 1) Not established	SOLUBILITY IN WATER Complete	ODOUR THRESHOLD Not available
pH 6.0-7.0	APPEARANCE AND ODOUR Yellow liquid, lemon fragrance	PHYSICAL STATE GAS__ LIQUID <u>X</u> SOLID _____
COEFFICIENT OF WATER/OIL DISTRIBUTION Not available		

SECTION IV: FIRE & EXPLOSION DATA

FLASH POINT > 100°C (212°F)	METHOD USED ASTM - D56	FLAMMABLE LIMITS Not available
EXTINGUISHING MEDIA Carbon dioxide, dry chemical, water	CONDITIONS OF FLAMMABILITY Not applicable	AUTO-IGNITION TEMPERATURE Not applicable
HAZARDOUS COMBUSTION PRODUCTS Not established		EXPLOSION DATA Not applicable
SPECIAL FIRE FIGHTING PROCEDURES Use self-contained breathing apparatus for maximum respiratory protection. Water may be used to cool containers if not ruptured or leaking.		
UNUSUAL FIRE AND EXPLOSION HAZARDS Combustion products are toxic.		

SECTION V: REACTIVITY DATA

STABILITY: STABLE X **CONDITIONS OF INSTABILITY** **CONDITIONS OF REACTIVITY**
Not established Not established

INCOMPATIBILITY (MATERIALS TO AVOID) Strong acids, oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS Carbon dioxide, carbon monoxide

SECTION VI: TOXICOLOGICAL PROPERTIES

PRIMARY ROUTES OF ENTRY: Eye Contact, Skin Contact, Ingestion, Inhalation, Skin Absorption
EXPOSURE LIMIT Not established for mixture.
EFFECTS OF ACUTE EXPOSURE:
EYE CONTACT Causes eye injury or irritation.
SKIN CONTACT Causes skin injury or irritation.
INGESTION Harmful if swallowed. Causes damage or chemical burns to esophagus and mucous membranes with symptoms of pain, nausea, vomiting and diarrhea.
INHALATION Breathing product vapor or mist may cause irritation or damage of the respiratory tract with symptoms of nasal discomfort and discharge with chest pain and coughing.
EFFECTS OF CHRONIC EXPOSURE
None known

IRRITANCY OF PRODUCT Severely irritating to eyes and skin	SENSITIZATION TO PRODUCT May cause skin sensitization.	CARCINOGENICITY No
REPRODUCTIVE TOXICITY Not available	TERATOGENICITY Not available	MUTAGENICITY Not available
		SYNERGISTIC PRODUCTS Not available

SECTION VII: PREVENTIVE MEASURE

PERSONAL PROTECTIVE EQUIPMENT / ENGINEERING CONTROLS
Wear neoprene rubber or other impervious gloves and splash goggles. Eyewash stations and safety showers should be readily accessible in areas where undiluted product is handled. Provide good general ventilation. Local exhaust ventilation may be necessary for some operations. If exposure limits (see Section II) can not be maintained by ventilation, use of a NIOSH approved respirator suitable for the conditions of use and chemicals in Section II should be considered. (N95 or higher recommended)

LEAK AND SPILL PROCEDURE: Dike and contain spills with inert material (sand, earth, commercial absorbent, etc.) and transfer to containers for disposal. Keep spill out of storm sewers and waterways.

WASTE DISPOSAL METHOD: Assure conformance with regulations.

HANDLING PROCEDURES: Do not get in eyes, on skin or clothing. Do not breathe product vapor or mist. Do not swallow. Use with adequate ventilation. Wash thoroughly after handling.

STORAGE REQUIREMENTS: Keep container closed when not in use. Do not freeze. Do not store above 49°C (120°F). Do not mix with other chemicals. Keep out of reach of children.

SPECIAL SHIPPING INFORMATION: Not controlled under TDG

SECTION VIII: FIRST AID MEASURES

EYES: Immediately flush eyes with water holding eyelids open for at least 15 minutes. Remove contact lenses. Get medical attention.
SKIN: Remove contaminated clothing and shoes. Flush skin with water for at least 15 minutes. Get medical attention. Wash contaminated clothing before reuse. Destroy contaminated shoes.
INGESTION: Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting. Drink one or two glasses of water to dilute product. Do not give anything by mouth to an unconscious person.
INHALATION: In case of respiratory irritation, move person to fresh air. Get medical attention immediately.

SECTION IX: PREPARATION INFORMATION

DAMP MOP QUAT 2
DATE OF PREPARATION November 24, 2009
SUPERCEDES February 15, 2007
PREPARED BY Ronald T. Cook / Manager, Regulatory Affairs / Spartan Chemical Company, Inc.
TELEPHONE NUMBER 800/537-8990