

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

SECTION I: PRODUCT INFORMATION

**PRODUCT IDENTIFIER:
STEP DOWN**

PRODUCT USE: Low Odor Floor Finish Stripper

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		
100-51-6	10-15	Benzyl alcohol	44 (AIHA)	---	---	Not available	Not available
141-43-5	5-10	Monoethanolamine	7.5	15 (ACGIH)	---	Not available	Not available
1300-72-7	1-5	Sodium xylene sulfonate	----	Not Established	----	Not available	Not available
53980-88-4	1-5	Dicarboxylic fatty acid	----	Not Established	----	Not available	Not available
1310-73-2	1-5	Sodium hydroxide	2	---	---	Not available	Not available
68439-46-3	1-5	Alcohol ethoxylate	----	Not Established	----	Not available	Not available

SECTION III: PHYSICAL DATA

BOILING POINT 100°C (212°F)	SPECIFIC GRAVITY (H₂O = 1) 1.052	PERCENT SOLID BY WEIGHT 30-40
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 13.5-14.0	APPEARANCE AND ODOUR Clear liquid, mild odor	PHYSICAL STATE GAS__ LIQUID <u>X</u> SOLID_____
COEFFICIENT OF WATER/OIL DISTRIBUTION Not available		

SECTION IV: FIRE & EXPLOSION DATA

FLASH POINT > 99°C (210°F)	METHOD USED ASTM - D56	FLAMMABLE LIMITS Not available
EXTINGUISHING MEDIA Water, CO ₂ or dry chemical	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 Product does not support combustion. Use extinguishing media appropriate for surrounding fire.		

SECTION V: REACTIVITY DATA

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

INCOMPATIBILITY (MATERIALS TO AVOID) Strong acids and strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS None known

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 severe eye damage and chemical burns. Permanent eye damage is possible.

SKIN CONTACT Causes severe skin damage or irritation with symptoms of pain, redness and chemical burns. Harmful contact may not cause immediate pain. Harmful if absorbed through the skin. Repeated contact may cause dermatitis.

INGESTION Harmful or fatal 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 coughing.

EFFECTS OF CHRONIC EXPOSURE Contains benzyl alcohol which may cause headache, dizziness, nausea and drowsiness. Contains monoethanolamine which may cause liver and kidney damage with repeated exposure.

IRRITANCY OF PRODUCT	SENSITIZATION TO PRODUCT	CARCINOGENICITY	
CORROSIVE	Not available	No	
REPRODUCTIVE TOXICITY	TERATOGENICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
Not available	Not available	Not available	Not available

SECTION VII: PREVENTIVE MEASURE

PERSONAL PROTECTIVE EQUIPMENT / ENGINEERING CONTROLS

Wear neoprene, nitrile or natural rubber gloves, boots and splash goggles. Use of impervious apron, face shield and other protective equipment should be considered in order to minimize contact with this product. Eyewash stations and washing facilities should be readily accessible. See 29 CFR 1910.132-138 for further guidance. Provide good general ventilation. Local exhaust ventilation may be necessary for some operations. If exposure limits are exceeded (see Section II), or if respiratory irritation occurs, the use of a NIOSH approved respirator suitable for the conditions of use and the chemicals in Section II should be considered. (N95 or greater with organic vapor cartridge recommended)

LEAK AND SPILL PROCEDURE Contain large spills and transfer to appropriate container for reclamation or disposal. Absorb remaining material or small spills with an inert material and dispose in accordance with regulations. 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. Avoid breathing 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. Keep out of reach of children.

SPECIAL SHIPPING INFORMATION: UN 1760, Corrosive liquids, n.o.s., (contains sodium hydroxide, ethanolamine), 8, II

SECTION VIII: FIRST AID MEASURES

EYES: In case of contact, immediately flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention.

SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. 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 or dizziness, move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if irritation persists.

SECTION IX: PREPARATION INFORMATION

STEP DOWN

DATE OF PREPARATION: May 1, 2016

SUPERCEDES: June 1, 2013

PREPARED BY Ronald T. Cook / Manager, Regulatory Affairs / Spartan Chemical Company, Inc.

TELEPHONE NUMBER 800/537-8990