

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

SECTION I: PRODUCT INFORMATION

PRODUCT IDENTIFIER
ALL SAFE

PRODUCT USE: Solvent Free Metal & Parts Washing Compound

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		
102-71-6	10-15	Triethanolamine	5 (ACGIH)	-----	-----	Not available	Not available
10043-35-3	1-5	Boric acid	15 (as dust)	-----	-----	Not available	Not available
68439-46-3	1-5	Alcohol ethoxylate	----	Not Established	----	Not available	Not available
1852-04-6	1-5	Undecanedioic acid	----	Not Established	----	Not available	Not available
693-23-2	1-5	Dodecanedioic acid	----	Not Established	----	Not available	Not available
12645-31-7	1-5	Phosphate ester	----	Not Established	----	Not available	Not available
68411-97-2	1-5	Cocoyl sarcosine	----	Not Established	----	Not available	Not available
1310-73-2	1-5	Sodium hydroxide	2	----	----	Not available	Not available
53980-88-4	1-5	Dicarboxylic fatty acid	----	Not Established	----	Not available	Not available

SECTION III: PHYSICAL DATA

BOILING POINT 100 °C (212°F)	SPECIFIC GRAVITY (H₂O = 1) 1.04	PERCENT SOLID BY WEIGHT 24-26
VAPOUR PRESSURE Not established	EVAPORATION RATE (butyl acetate = 1) < 1	FREEZING POINT Not available
VAPOUR DENSITY (AIR = 1) Not established	SOLUBILITY IN WATER Complete	
pH 8.8-9.1	APPEARANCE AND ODOUR Amber liquid, bland odor	ODOUR THRESHOLD Not available
COEFFICIENT OF WATER/OIL DISTRIBUTION Not available		PHYSICAL STATE GAS__ LIQUID <u>X</u> SOLID_____

SECTION IV: FIRE & EXPLOSION DATA

FLASH POINT > 100 °C (212°F)	METHOD USED ASTM - D56	FLAMMABLE LIMITS Not established
EXTINGUISHING MEDIA Product does not support combustion. Not applicable	CONDITIONS OF FLAMMABILITY	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 None known		

SECTION V: REACTIVITY DATA

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

INCOMPATIBILITY (MATERIALS TO AVOID)
Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS Carbon dioxide, carbon monoxide

SECTION VI: TOXICOLOGICAL PROPERTIES

PRIMARY ROUTES OF ENTRY: Eye Contact, Skin Contact, Ingestion, Inhalation

EXPOSURE LIMIT

Not established for mixture.

EFFECTS OF ACUTE EXPOSURE:

EYE CONTACT: May cause eye irritation with symptoms such as pain and redness.

SKIN CONTACT: May cause skin irritation with symptoms such as pain and redness.

INGESTION: May be harmful if swallowed. Symptoms may include abdominal pain, nausea and diarrhea.

INHALATION: Breathing product mist may cause respiratory irritation.

Contains triethanolamine which may cause skin sensitization with repeated contact. Repeated exposure to triethanolamine may cause liver and kidney damage. Contains boric acid which has demonstrated reproductive and developmental effects when ingested by animals in high amounts. A human occupational exposure study with borate dust showed no adverse effect on reproduction.

EFFECTS OF CHRONIC EXPOSURE No chronic health effects are expected from the intended use of this product.

IRRITANCY OF PRODUCT

May cause skin and eye irritation

SENSITIZATION TO PRODUCT

See above

CARCINOGENICITY

No

REPRODUCTIVE TOXICITY

See above

TERATOGENICITY

Not available

MUTAGENICITY

Not available

SYNERGISTIC PRODUCTS

Not available

SECTION VII: PREVENTIVE MEASURE

PERSONAL PROTECTIVE EQUIPMENT / ENGINEERING CONTROLS

Wear rubber or other impervious gloves and splash goggles when handling undiluted product. Provide good general ventilation. Local exhaust ventilation may be necessary for some operations. Respiratory protection is not expected to be required with intended use.

LEAK AND SPILL PROCEDURE Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Dike and contain large spills with inert material and transfer liquid to containers for recovery or disposal. Keep spill out of storm sewers and waterways.

WASTE DISPOSAL METHOD Assure conformance with applicable regulations.

HANDLING PROCEDURES Avoid contact with eyes, skin or clothing. Do not taste or swallow. Avoid breathing product mist

STORAGE REQUIREMENTS Keep container closed when not in use. Do not freeze. Do not store above 49°C (120°F). Wash thoroughly after handling. Keep out of reach of children.

SPECIAL SHIPPING INFORMATION: Not regulated. Shipping Description: Non-Hazardous Products

SECTION VIII: FIRST AID MEASURES

EYES: Flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention.

SKIN: Remove contaminated clothing. Wash thoroughly with soap and water. Get medical attention if irritation persists. Wash contaminated clothing before reuse.

INGESTION: Do not induce vomiting. Drink one or two glasses of water to dilute product. Get medical attention. Do not give anything by mouth to an unconscious person.

INHALATION: In case of respiratory irritation or dizziness, move person to fresh air. Get medical attention if irritation persists.

SECTION IX: PREPARATION INFORMATION

ALL SAFE

DATE OF PREPARATION: June 1, 2015

SUPERCEDES: June 6, 2012

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

TELEPHONE NUMBER 800/537-8990