

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

SECTION I: PRODUCT INFORMATION

**PRODUCT IDENTIFIER
BLOC-AID**

PRODUCT USE: Drain and Sewer Cleaner/ Maintainer

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		
1310-73-2	30-40	Sodium hydroxide	2	----	----	Not available	Not available

SECTION III: PHYSICAL DATA

BOILING POINT 124 °C (255°F)	SPECIFIC GRAVITY (H₂O = 1) 1.38	PERCENT SOLID BY WEIGHT < 1
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	APPEARANCE AND ODOUR Clear red liquid, no odor	PHYSICAL STATE GAS__ LIQUID <u>X</u> SOLID_____
COEFFICIENT OF WATER/OIL DISTRIBUTION Not available		

SECTION IV: FIRE & EXPLOSION DATA

FLASH POINT >124 °C (255°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 Products of combustion are toxic. Contact with aluminum or other reactive metals may release hydrogen gas. Heat is generated when mixed with water.		

SECTION V: REACTIVITY DATA

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

INCOMPATIBILITY (MATERIALS TO AVOID) Concentrated acids and 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: Causes irreversible eye damage with symptoms such as chemical burns, pain, redness, swelling of the conjunctiva, tissue destruction and possible permanent corneal damage

SKIN CONTACT: Causes severe skin damage with symptoms such as chemical burns, pain, redness and tissue destruction.

INGESTION: May be harmful or fatal if swallowed with symptoms such as pain, irritation or damage to mouth, throat and gastrointestinal tract possibly leading to death. Product is considered to be a poison.

INHALATION: Breathing product mist may cause respiratory irritation or harm with symptoms of nasal discomfort, discharge and coughing.

EFFECTS OF CHRONIC EXPOSURE

None known

IRRITANCY OF PRODUCT

Corrosive to eyes and skin.

SENSITIZATION TO PRODUCT

Not available

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 rubber or other impervious gloves and splash goggles. Provide good general ventilation. Local exhaust ventilation may be necessary for some operations. If respiratory irritation can not be prevented by ventilation, use of a NIOSH approved respirator suitable for the conditions of use and chemicals in Section II should be considered.

LEAK AND SPILL PROCEDURE: Dike and contain spills with inert material and transfer to containers for recovery or disposal.

Rinse area with water and flush to sanitary sewer. Keep spill out of storm sewers and waterways.

WASTE DISPOSAL METHOD: Assure conformance with applicable regulations.

HANDLING PROCEDURES: Do not get in eyes, on skin, or on clothing. Do not swallow. Avoid breathing product mist.

Wash thoroughly after handling. Add product to water only. Do not mix with other household chemicals.

STORAGE REQUIREMENTS: Keep container closed when not in use. Do not store above 43°C (110°F). Do not store or dispense into metal containers, especially aluminum. Keep out of reach of children.

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

SECTION VIII: FIRST AID MEASURES

EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses after the first five minutes and then continue rinsing eye. Get immediate medical attention.

SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Wash contaminated clothing before reuse.

INGESTION: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION IX: PREPARATION INFORMATION

BLOC-AID

DATE OF PREPARATION: November 1, 2010

SUPERCEDES: November 1, 2007

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

TELEPHONE NUMBER: 800/537-8990