

**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 <sup>3</sup>	STEL mg/m <sup>3</sup>	Ceiling mg/m <sup>3</sup>		
1310-73-2	30-40	Sodium hydroxide	2	----	----	Not available	Not available

**SECTION III: PHYSICAL DATA**

<b>BOILING POINT</b> 124 °C (255°F)	<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1)</b> 1.38	<b>PERCENT SOLID BY WEIGHT</b> < 1
<b>VAPOUR PRESSURE</b> Not established	<b>EVAPORATION RATE (butyl acetate = 1)</b> < 1	<b>FREEZING POINT</b> Not available
<b>VAPOUR DENSITY (AIR = 1)</b> Not established	<b>SOLUBILITY IN WATER</b> Complete	<b>ODOUR THRESHOLD</b> Not available
<b>pH</b> > 13.5	<b>APPEARANCE AND ODOUR</b> Clear red liquid, no odor	<b>PHYSICAL STATE</b> GAS__ LIQUID <u>X</u> SOLID_____
<b>COEFFICIENT OF WATER/OIL DISTRIBUTION</b> Not available		

**SECTION IV: FIRE & EXPLOSION DATA**

<b>FLASH POINT</b> >124 °C (255°F)	<b>METHOD USED</b> ASTM - D56	<b>FLAMMABLE LIMITS</b> Not established
<b>EXTINGUISHING MEDIA</b> Product does not support combustion. Not applicable	<b>CONDITIONS OF FLAMMABILITY</b>	<b>AUTO-IGNITION TEMPERATURE</b> Not applicable
<b>HAZARDOUS COMBUSTION PRODUCTS</b> Not established		<b>EXPLOSION DATA</b> Not applicable
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> Use self-contained breathing apparatus for maximum respiratory protection. Water may be used to cool containers if not ruptured or leaking.		
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> 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:** October 25, 2016

**SUPERCEDES:** October 25, 2013

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

**TELEPHONE NUMBER:** 800/537-8990