

SECTION 1 – IDENTIFICATION

NAME / CODE: SULF-O-NET / 1906XX

USE: Liquid drain opener

MANUFACTURER: B.O.D. CHEMICALS INC.
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SECTION 2 – HAZARDS IDENTIFICATION

GHS CLASSIFICATION

PHYSICAL HAZARDS: Corrosive to metals, category 1

HEALTH HAZARDS: Skin corrosion / Irritation, category 1
Serious eye damage / Eye irritation, category 1
Specific target organ toxicity - Single exposure, category 2B

ENVIRONMENTAL HAZARDS: Not available

GHS LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD: DANGER

HAZARD STATEMENTS: May be corrosive to metals.
Causes severe skin burns and eye damage.
Causes serious eye damage.
May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

PREVENTION: Keep only in original container. Wash hands thoroughly after handling. Do not breathing vapours. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE: Absorb spillage to prevent material damage. **If swallowed:** Rinse mouth. Do NOT induce vomiting. **If on skin (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. **If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment (see supplemental first aid on the label). **If in eyes:** Rinse immediately and cautiously with water for 15-20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, keeping eyelids open. Immediately call a POISON CENTER or doctor/physician.

STORAGE / DISPOSAL: Store in corrosive resistant container. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/container in accordance with local regulations (see 13th section).

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS	% (W/W)
Sulfuric acid	007664-93-9	93 - 98

SECTION 4 – FIRST AID MEASURES

SKIN:	Remove contaminated clothing. Rinse skin with water for at least 20 minutes/shower. Consult a physician if irritation persists.
EYES:	Rinse cautiously with water for 15-20 minutes, keeping eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
INGESTION:	Rinse mouth. Do not induce vomiting. Drink 3 to 4 glasses of water. Do not give anything by mouth if victim is unconscious. Call a physician immediately.
INHALATION:	Breathe fresh air. Give artificial respiration if necessary. Consult a physician if discomforts persist.
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:	Skin: Burning and severe skin damage, redness of the skin. Eyes: Causes serious eye damage. Symptoms may include burning, tingling, watery eyes, redness, swelling and blurred vision. This could result in permanent eye damage.
TO PHYSICIAN:	Treat symptoms.

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:	Water spray, carbon dioxide, chemical powder, foam.
UNSUITABLE EXTINGUISHING MEDIA:	Do not use water jet as an extinguisher, as this will spread the fire.
SPECIFIC HAZARDS:	Not flammable. Under fire conditions, toxic and corrosive fumes are emitted. The product does not burn itself but may decompose upon heating to produce carbon monoxide and dioxide, corrosive and/or toxic fumes.
SPECIAL FIRE FIGHTING PROCEDURES:	Wear protective clothing and self-contained breathing apparatus if necessary.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Ventilate enclosed areas. Avoid contact of the product with eyes and skin. Do not breathe vapours. Wear gloves, safety goggles and respirator if needed. Prevent discharge in sewers. Keep away from incompatible materials.
ENVIRONMENTAL PRECAUTIONS:	Avoid the spillage or runoff entering drains, sewers or watercourses.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:	Wear protective clothing. Control spill to prevent runoff into sewers. Cover with inert absorbent material and recover in suitable containers. Sweep and rinse with water.

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:	Avoid contact of the product with eyes and skin. Do not breathe vapours. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:	Keep containers closed, in fresh, dry and well ventilated area, away from incompatible materials.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENT	CAS	VALUE	REGULATION
Sulfuric acid	7664-93-9	TWA: 0.2mg/m ³	ACGIH

APPROPRIATE ENGINEERING CONTROL: Good ventilation.

PERSONAL PROTECTIVE EQUIPMENT



SKIN: Protective clothing. Impermeable gloves.

EYES:	Safety goggles.
RESPIRATORY:	Suitable respiratory protection must be worn.
HYGIENE MEASURES:	Wash hands after handling.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / FORM:	Clear liquid
COLOR:	Colorless - Pale brown
ODOR:	Odorless
ODOR THRESHOLD:	Not available
pH:	< 1
MELTING POINT / FREEZING POINT (°C):	< 0
BOILING POINT (°C):	> 100
FLASH POINT (°C):	Not available
EVAPORATION RATE:	Not available
EXPLOSIVE LIMITS:	Not available
VAPOUR PRESSURE:	Not available
VAPOUR DENSITY:	Not available
DENSITY (kg/L):	1.82 - 1.84
WATER SOLUBILITY:	Complete
PARTITION COEFFICIENT N-OCTANOL / WATER:	Not available
AUTOIGNITION TEMPERATURE (°C):	Not available
DECOMPOSITION TEMPERATURE (°C):	Not available

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:	Violent exothermic reaction with water (moisture): release of corrosive gases/vapours. On burning: release of toxic and corrosive gases/vapours (sulphur oxides). Reacts with many compounds: (increased) risk of fire/explosion. Reacts exothermically with organic material: risk of spontaneous ignition. Reacts violently with combustible materials: (increased) risk of fire/explosion. Reacts violently with (some) bases: heat release resulting in increased fire or explosion risk. Reacts with (strong) reducers: (increased) risk of fire/explosion. Aqueous solution reacts with (some) metals: release of highly flammable gases/vapours (hydrogen).
CHEMICAL STABILITY:	Stable at normal ambient temperatures and when used as recommended.
HAZARDOUS REACTIONS:	Hazardous polymerisation does not occur.
CONDITIONS TO AVOID:	High temperatures, sparks, open flames and all other sources of ignition. Avoid contact with water and with incompatible materials.
INCOMPATIBILITY:	Violently reactive with sodium chlorite, reducing agents, strong bases, combustibles, metals, alkali metal and their hydroxides, organic materials, aluminium and its alloys, copper and its alloys, cast iron, mild steel, titanium. Attacks some types of rubber, plastics and coatings. React with most metals to produce hydrogen gas which could make an explosive mixture with air.

HAZARDOUS DECOMPOSITION PRODUCTS: contact. Concentrated sulphuric acid can ignite combustible materials (ex: paper) on Thermal decomposition products are toxic and may include sulfur oxides, carbon monoxide and irritating gases. Toxic fumes of oxides of sulfur when heated to decomposition. Will react with water or steam to produce toxic and corrosive fumes. Reacts with carbonates to generate carbon dioxide gas, and with cyanides and sulfides to form poisonous hydrogen cyanide and hydrogen sulfide respectively.

SECTION 11 – TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

SKIN: Causes severe skin burns.
EYES: Causes serious eye damage.
INHALATION: May cause respiratory irritation.
INGESTION: May cause an irritation.

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE ORAL TOXICITY: Harmful if swallowed. LD50 (rat): 2140 mg/kg
ACUTE DERMAL TOXICITY: No health effects (normal conditions of use).
ACUTE INHALATION TOXICITY: No health effects (normal conditions of use).

DELAYED AND IMMEDIATE EFFECTS

SKIN CORROSION / IRRITATION: Causes severe skin burns.
SERIOUS EYE DAMAGE / EYE IRRITATION: Causes serious eye damage.
RESPIRATORY SENSITIZATION: Not expected to cause respiratory sensitization.
SKIN SENSITIZATION: Not expected to cause skin sensitization.
GERMINAL CELL MUTAGENICITY: No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.
CARCINOGENICITY: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen.
REPRODUCTIVE TOXICITY: No potential reproductive toxicity.
SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE: May cause respiratory irritation.
SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE: Not classified.
ASPIRATION HAZARD: Not classified.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY: Sulfuric acid
LC50, Fish, 42 mg/l, 96h
EC50, Daphnie, 29 mg/l, 24h
PERSISTENCE AND DEGRADABILITY: Not available
BIOACCUMULATIVE POTENTIAL: Not available
MOBILITY IN SOIL: Not available
OTHER ADVERSE EFFECTS: Not available

SECTION 13 – DISPOSAL CONSIDERATIONS

- DISPOSAL INSTRUCTIONS:** Collect in appropriate containers and recycle or dispose the product at a licensed waste disposal site or in accordance with local regulations. Avoid the spillage or runoff entering drains, sewers or watercourses.
- HAZARDOUS WASTE CODE:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
- CONTAMINATED PACKAGING:** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 – TRANSPORT INFORMATION

- TDG:** UN1830, SULFURIC ACID (with more than 51 % acid), Class 8, PG II
- SPECIAL PRECAUTIONS FOR USER:** Read safety instructions, SDS and emergency procedures before handling.

SECTION 15 – REGULATORY INFORMATION

Ingredients included on inventory of DSL (Canada), REACH, TSCA (USA)

SECTION 16 – OTHER INFORMATION

- PRODUCT NAME:** SULF-O-NET
- CODE:** 1906XX
- IN CASE OF ACCIDENTAL SPILL:** CANUTEC (Canada): 1 (613) 996-6666
- PREPARED BY:** B.O.D. CHEMICALS INC.
- PHONE:** (450) 443-5556
- DATE:** May 12th, 2021

B.O.D. CHEMICALS INC. assume no responsibility for damages or physical injuries resulting in the use of this product. The user recognizes the risk in the use of this product and must consult and respect directions and dangers of this product.