

SECTION 1 – IDENTIFICATION

NAME: SUPERFLOW GREEN

USE: Powder soap for membranes

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 1A
Serious eye damage/eye irritation - Serious eye damage, category 1

ENVIRONMENTAL HAZARDS Not classified

GHS LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:

DANGER

HAZARD STATEMENTS:

May be corrosive to metals.
Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS

PREVENTION:

Keep only in original container.
Do not breathe dust.
Wash contaminated skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Specific treatment (see medical advice on the label).
Wash contaminated clothing before reuse.
Absorb spillage to prevent material damage.

STORAGE / DISPOSAL:

Store locked up.
Dispose of contents/container in accordance with local, regional, national, and/or international regulations.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS	% (W/W)
Sodium hydroxide	001310-73-2	95-100

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 several 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 or milk. 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.
- TO PHYSICIAN:** Treat symptoms

SECTION 5 – FIRE-FIGHTING MEASURES

- FLAMMABLE:** The product is not flammable.
- EXTINGUISHING MEDIA:** Foam, carbon dioxide or dry powder.
- UNSUITABLE EXTINGUISHING MEDIA:** Do not use water jet as an extinguisher, as this will spread the fire.
- SPECIFIC HAZARDS:** Toxic gases or vapours: Carbone monoxide (CO), Carbone dioxide (CO₂)
- HAZARDOUS COMBUSTION PRODUCTS:** Not available
- 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:** Avoid contact of the product with eyes and skin. Do not breathe dusts. Wear gloves, safety goggles and respirator if needed. Prevent discharge in sewers.
- ENVIRONMENTAL PRECAUTIONS:** Avoid the spillage or runoff entering drains, sewers or watercourses.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Sweep up and collect in appropriate containers for disposal. Rinse area with water.

SECTION 7 – HANDLING AND STORAGE

- PRECAUTIONS FOR SAFE HANDLING:** Avoid contact of the product with eyes and skin. Do not breathe dusts.
- CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:** Keep containers closed, in fresh, dry and well ventilated area, away from acids, soft metals (Al, Zn, Sn)

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROL: Normal ventilation

PERSONAL PROTECTIVE EQUIPMENT



- SKIN:** Protective clothing. Impermeable gloves
- EYES:** Safety goggles
- RESPIRATORY:** If ventilation is inadequate, suitable respiratory protection must be worn.
- HYGIENE MEASURES:** Wash hands after handling.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / FORM:	Solid, micro pearls
COLOR:	White
ODOR:	Odorless
ODOR THRESHOLD:	Not available
pH (solution 1%):	13 - 14
MELTING POINT / FREEZING POINT (°C):	318
BOILING POINT (°C):	1388-1390
FLASH POINT (°C):	Not available
EVAPORATION RATE:	Not available
EXPLOSIVE LIMITS:	Not available
VAPOUR PRESSURE:	Not available
VAPOUR DENSITY:	Not available
DENSITY (kg/L):	1.10 - 1.12
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:	The following materials may react violently with the product: Acids. Reacts violently with water and organic nitro compounds.
CHEMICAL STABILITY:	Stable at normal ambient temperatures and when used as recommended.
HAZARDOUS REACTIONS:	Hazardous polymerisation does not occur.
CONDITIONS TO AVOID:	Contact with incompatible materials.
INCOMPATIBILITY:	Acids, soft metals (Al, Zn, Sn).
HAZARDOUS DECOMPOSITION PRODUCTS:	Under fire conditions: carbon oxides.

SECTION 11 – TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

SKIN:	May cause serious chemical burns to the skin. Corrosive. Prolonged contact causes serious tissue damage.
EYES:	Causes burns. A single exposure may cause the following adverse effects: Corneal damage. Visual disturbances, including blurred vision.
INHALATION:	Dust is severely irritating to the upper respiratory system. Dust may irritate the respiratory system. May cause coughing and difficulties in breathing.
INGESTION:	May cause burns in mucous membranes, throat, oesophagus and stomach. Causes burns.

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE ORAL TOXICITY:	LD50 (oral, rat) : 2400 mg/kg
ACUTE DERMAL TOXICITY:	LD50 (dermal, rabbit) : > 2000 mg/kg
ACUTE INHALATION TOXICITY:	Not available
SKIN CORROSION / IRRITATION:	Causes severe skin burns.
SERIOUS EYE DAMAGE / EYE IRRITATION:	Causes severe eye burns. 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 or potential carcinogen
REPRODUCTIVE TOXICITY:	No potential reproductive toxicity.
SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE:	Not classified
SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE:	Not classified
ASPIRATION HAZARD:	Not classified.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY:	This product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms LC50, (96 hours): 33-189 mg/l, Fish, EC50, (48 hours): 40-240 mg/l, Daphnia magna
PERSISTENCE AND DEGRADABILITY:	The product contains only inorganic substances which are not biodegradable.
BIOACCUMULATIVE POTENTIAL:	The product is not expected to bioaccumulate.
MOBILITY IN SOIL:	The product is water soluble and may spread in water systems.
OTHER ADVERSE EFFECTS:	Not available

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain in sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
HAZARDOUS WASTE CODE:	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
WASTE FROM RESIDUES / UNUSED PRODUCTS:	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
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 / DOT:	UN1759, CORROSIVE SOLID, N.O.S. (Sodium hydroxide), Class 8, PG II
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**ENVIRONMENTAL HAZARDS
(MARINE POLLUTANT):** No

TRANSPORT IN BULK: Not available

SPECIAL PRECAUTIONS FOR USER: Read safety instructions, SDS and emergency procedures before handling.

SECTION 15 – REGULATORY INFORMATION

NATIONAL REGULATION: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009, No 716)

INVENTORY INFORMATION: EINECS AICS DSL IECS PICCS TSCA

SECTION 16 – OTHER INFORMATION

PRODUCT NAME: SUPERFLOW GREEN

PREPARED BY: B.O.D. CHEMICALS INC.

PHONE: (450) 443-5556

DATE: May 25th, 2018

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.