



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: **Polyglycerine SSC-80**
General or Generic ID:

Company

SSC INDUSTRIES
1550 E. Taylor Ave
East Point, GA 30344
404-559-6000

For emergencies involving spill, leak, fire, or exposure,
call: 1-800-424-9300, day or night.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Glycerine	CAS Number 000056-81-5	18%
Polyglycerine	CAS Number 025618-55-7	40-60%
Potassium hydroxide	CAS Number 001310-58-3	0-2%
Potassium chloride	CAS Number 007647-14-5	0-5%
Potassium salt, organic salt		12-14%

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

3. HAZARDS IDENTIFICATION

- Eye: May cause pain disproportionate to the level of irritation to eye tissues May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur.
- Skin: Brief contact is essentially non-irritating to skin. Prolonged or repeated exposure may cause skin irritation, even a burn. May cause more severe response if confined to skin or skin is abraded (scratched or cut). Prolonged skin contact is unlikely to result in absorption of harmful amounts.
- Ingestion: Low toxicity if swallowed. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.
- Inhalation: No adverse effects are anticipated from single exposure to vapor.



Systematic & Other Effects: For glycerine: based on available data, repeated exposures are not anticipated to cause significant adverse effects. No relevant information found on other components (s).

Cancer Information: Contains component (s), which did not cause cancer in laboratory animals. The component (s) is/are: glycerine. No relevant information was found on other component (s).

Teratology (Birth Defects): Contains component (s), which did not cause birth defects or any other fetal effects in lab animals. The component (s) is/are glycerine.

Reproductive Effects: Reproductive effects seen in female animals are believed to be due to altered nutritional states resulting from extremely high doses of glycerine given in the diet. Similar effects have been seen in animals fed synthetic diets. Dose levels producing these effects were many times higher than any dose levels expected from exposure due to use.

4. FIRST AID MEASURES

Eyes: Wash immediately and continuously with flowing water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist.

Skin: In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before reuse.

Ingestion: If swallowed seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Note to physicians: If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

Flash Point: >300°F (after H2O evaporated)
Method Used: PMCC
Autoignition Temperature: Not determined



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Flammability Limits: LFL not determined
UFL not determined

Hazardous Combustion Products: Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Combustion products may include and are not limited to: carbon monoxide, carbon dioxide, aldehydes.

Other Flammability Information: This material will not burn until the water has evaporated. Residue can burn.

Extinguishing Media: Water fog or fine spray, dry chemical fire extinguishers, carbon dioxide fire extinguishers and foam. Do not use direct water stream. May spread fire. Alcohol resistant foams (ATC type) are preferred. General-purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.

Fire Fighting Instructions: Keep people away. Isolate fire area and deny unnecessary entry. Burning liquids may be extinguished by dilution with water. Burning liquids may be moved by flushing with water to property personnel and minimize property damage.

Protective Equipment For Fire Fighters: Wear protective-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, pants, boots, and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with SCBA. If this is not available, wear full chemical resistant clothing with SCBA and fight fire from a remote location. For protective equipment in post-fire or non-fire clean up situations, refer to the relevant sections.

NFPA Rating
Health – 1, Flammability – 1, Reactivity – 0

6. ACCIDENTAL RELEASE MEASURES

Protect People: Evacuate area. Only trained and properly protected personnel must be involved in clean-up operations. Refer to Section 7, Handling and Storage for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls/Personal Protection.



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Protect the Environment: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Cleanup: Contain spilled material if possible. Collect in suitable and properly labeled open containers. See Section 13, Disposal Considerations for additional information.

7. HANDLING AND STORAGE

Handling: Do not get in eyes. Avoid contact with skin and clothing. Wash thoroughly after handling. See Section 8, Exposure Controls/Personal Protection.

Storage: No specific requirements.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection: Use chemical goggles. Eye wash fountain should be located in immediate work area.

Skin Protection: When prolonged or frequently repeated contact could occur, use chemically protective clothing resistant to this material. Selection of specific items such as face shield, gloves, boots, apron or full-body suit will depend on operation. If hands are cut or scratched, use gloves chemically resistant to this material even for brief exposures.

Respiratory Protections: Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an approved air-purifying respirator.

Engineering Controls: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

Exposure Guideline (s): Potassium hydroxide: ACGIH TLV is 2 mg/m³.

Glycerin: ACGIH TLV is 10 mg/m³. OSHA PEL is 5 mg/m³ respirable.



9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: >300° F
Vapor Pressure: < 4 mm Hg @ 20° CF
Vapor Density: 10 (est.)
Specific Gravity: 1.27 @25° C
Appearance: BROWN LIQUID
Odor: STRONG
Solubility in Water: MISCIBLE

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.
Hazardous Decomposition: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: acrolein.
Chemical Stability: Thermally stable at typical use temperatures.
Incompatibility: Avoid contact with strong oxidizers.
Conditions to Avoid: Exposure to elevated temperatures can cause product to decompose.

11. TOXICOLOGICAL INFORMATION

(See Section 3 for Potential Health Effects. For detailed toxicological data, write or call the address or non-emergency number shown in Section 1)

Skin: The LD50 for skin absorption in rabbits is >2000 mg/kg.
Ingestion: The oral LD50 for male rats is >2000 mg/kg.
Mutagenicity: No relevant information found.

12. ECOLOGICAL INFORMATION

(For detailed Ecological data, write or call the address or non-emergency number shown in Section 1)

Environmental Data

Movement & Partitioning: No bioconcentration is expected because of the relatively high water concentration.



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Ecotoxicity: Material is practically non-toxic to aquatic organisms on acute basis (LC50 or EC50 >100 mg/L in the most sensitive species tested). Acute LC50 for fathead minnow (*Pimephales promelas*) is 3728 mg/L. Acute LC50 for water flea *Daphnia magna* is 5907 mg/L.

Degradation & Persistence: Biodegradation under aerobic static laboratory conditions is high (BOD20 or BOD28/ThOD >40%). The 5-day biochemical oxygen demand (BOD5) is 0.32 p/p. The 10-day biochemical oxygen demand (BOD10) is 0.54 p/p. The 20-day biochemical oxygen demand (BOD20) is 0.64 p/p.

13. DISPOSAL CONSIDERATION

(See Section 15 for Regulatory Information)

Disposal: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

SSC, LLC HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION 2 (Composition/Information On Ingredients).

FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to license, permitted: recycler, reclaimer, incinerator or other thermal destruction device.

14. TRANSPORT INFORMATION

Department of transportation (DOT): This product is not regulated when shipped domestically by land.

Canadian TDG Information: This product is not regulated when shipped domestically by land.



15. REGULATORY INFORMATION

(Not meant to be all-inclusive—selected regulations represented)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change or may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws, The following specific information is made fro the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

U.S Regulations

SARA 313 Information: To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

SARA Hazard Category: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

An immediate health hazard

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Toxic Substances Control Act (TSCA):

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

State Right-To-Know: The following product components are cited on certain state lists as mentioned, Non-listed components may be shown in the composition section of the MSDS.

Chemical Name	CAS Number	List
1,2,3-Propanetriol	000056-81-5	PA1
Potassium Hydroxide (Solution)	001310-58-3	PA1 PA3

PA1 = Pennsylvania Hazardous Substance (present at greater than or equal to 1.0%). PA3 = Pennsylvania Environmental Hazards Substance (present at greater than or equal to 1.0%).



OSHA Hazard Communication Standards:

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Canadian Regulations

WHMIS Information: The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification for this product is:

D2B – eye or skin irritant

Refer elsewhere in the MSDS for specific warnings and safe handling information. Refer to the employer's workplace education program.

CPR Statement: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Hazardous Products Act Information: This product contains the following ingredients which are Controlled Products and/or on the Ingredient Disclosure List (Canadian HPA Section 13 and 14):

CAS# 1310-58-3 is listed on Canada's DSL List. This product has a WHMIS classification of D1B, E.

16. OTHER INFORMATION

MSDS Status: Revised for Canadian Regulations, Sections 2, 3, 4, 5, 6, 7, 8, 9, 10, 15.

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