

## POLYGLUCOSE

### Material Safety Data Sheet (MSDS)

#### 1. PRODUCT IDENTIFICATION

Product Name: Polyglucose  
 Chemical Names: Decyl D-glucoside, alkyl (8-16) glucoside  
 INCI Name: Decyl glucoside  
 CAS Number: 58846-77-8 (also 68515-73-1, 110615-47-9)  
 EINECS Number: 261-469-7  
 HS Number:

#### 2. PHYSICAL & CHEMICAL PROPERTIES

Pour Point: - 8°C (17°F)  
 Specific Gravity, H<sub>2</sub>O= 1: 1.15 at 25°C  
 Cloud Point: > 100°C (1% aqueous solution)  
 Density: 8.9 lb/gal at 15.5°C  
 Viscosity: 940 cP at 25°C  
 pH Value: 5-6  
 Solubility in Water: soluble in water  
 Appearance & Odor: clear golden liquid, no odor

#### 3. STABILITY & REACTIVITY

General: This product is stable and hazardous polymerization will not occur  
 Incompatible Materials & Conditions to Avoid: Strong oxidizing agents  
 Hazardous Decomposition Products: readily biodegradable

#### 4. HANDLING & STORAGE

Store in closed containers between 50°F and 120°F protected from humidity. Keep away from oxidizing agents, excessive heat, and ignition sources. Store and use in well ventilated areas. Do not store or use near heat, spark, or flamer; also store out of sun. Do not puncture, drag, or slide this container. Drum is not pressure vessel; never use pressure to empty.

#### 5. ACCIDENTAL RELEASE MEASURES

Spill Clean-up Procedures: Remove sources of ignition, contain spill to smallest area possible. Stop leak if possible. Pick up small spills with absorbent materials such as paper towels. "Oil dry", sand or dirt. Recover large spills for salvage or disposal. Wash hard surfaces with safety solvent or detergent to remove remaining oil film. Greasy nature will result in a slippery surface.

#### 6. EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory Protection: If vapors or mists are generated, wear a NIOSH approved organic vapor/mist respirator.  
 Protective Clothing: Safety glasses, goggles, or face shield recommended to protect eyes from mists or splashing. PVC coated gloves recommended to prevent skin contact.  
 Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

#### 7. HAZARDS IDENTIFICATION

Inhalation: Negligible unless heated to produce vapors. Vapors or finely misted materials may irritate the mucous membranes and cause irritation. Remove to fresh air.

Eye Contact: May cause irritation. Irrigate eye with water for at least 15 to 20 minutes. Seek medical attention if symptoms persist.  
 Skin Contact: Prolonged or repeated contact is may cause skin irritation.

#### 8. FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes.  
 Skin: Wash exposed areas of the body with soap and water.  
 Inhalation: Remove from area of exposure, seek medical attention if symptoms persist.  
 Ingestion: Give one or two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. Never give anything to mouth to an unconscious person.

#### 9. FIRE FIGHTING MEASURES

Flash Point: not determined  
 Flammability Limits: None known  
 Extinguishing Media: Dry chemical, foam, halon, CO<sub>2</sub>, water spray. Water stream may splash burning liquid and spread fire.  
 Special Fire Fighting Procedures: Use water spray to cool drums exposed to fire.  
 Unusual Fire & Explosion Hazards: Firefighters should use self-contained breathing apparatus to avoid exposure to smoke & vapor.

#### 10. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: LD50 > 2000mg/kg (rats)  
 Skin Toxicity: not irritant (source: CESIO)  
 Eye Toxicity: irritant (source: CESIO)

#### 11. DISPOSAL CONSIDERATIONS

Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

#### 12. TRANSPORT INFORMATION

DOT Shipping Name / Hazard Class: Not Restricted  
 ADR/ RIC Code / Hazard Class: Not Restricted  
 Sea Transport IMDG Code / Hazard Class: Not Restricted  
 Air Transport IATA Code / Hazard Class: Not Restricted

#### 13. DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

ALL DATA HEREIN ARE ALL AS PER OUR SUPPLIER.