


MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification	
Product Name	POLYES 03
Manufacturer/ Supplier	Energías Sustentables Cotell, S.A. de C.V. Boulevard Lomas de la Hacienda No 39 Lomas de la Hacienda, Atizapán de Zaragoza, Edo. Méx. 52925 Tel : 52 55 5360 4163
	Aug. 2, 2021 (Revision)
Chemical Name	Aqueous Solution of modified Polycarboxylate(Trade secret)
Material Uses	Industrial applications: Superplasticizer; Dispersant; Concrete admixture

Section 2. Hazards Identification	
Category	Skin corrosive/skin irritation 2 category Serious eye damage/eye irritation 2 category
Symbol	
Signal word	Warning
Hazard statement	H319 Causes serious eye damage H315 Causes skin irritation.
Precautionary statements	
Prevention	P264 Wash thoroughly after handling the treated area P280 Wear protective gloves/protective clothing/eye protection/face protection
Corresponding	P305+P351+P338 If in eyes, wash cautiously with water for several minutes P337+P313 If eye irritation persists, get medical advice/attention
Storage	Keep container tightly closed in a cool and roofed areas.
Disposal	P501 (In accordance with the laws and regulation) Dispose of the contents of the container
Health	2
Flammability	0
Reactivity	0

Section 3. Composition and Information on Ingredients				
Name	CAS No	Content(%)	Class	
2-Methyl-2-propenoic acid homopolymer, sodium salt	54193-36-1	50	Slightly hazardous to Water(Water hazard class 1)	
Water	7732-18-5	50		

Section 4. First Aid Measures	
Eye Contact	Check for and remove any contact lenses. Flush with running water for several minutes. Do not use an eye ointment. Seek medical attention
Skin Contact	Wash contaminated skin with soap and water. Cold water may be used. Get medical attention if irritation occurs.

Inhalation	No hazard in normal industrial use. If exposed to excessive levels of mist, remove to fresh air and get medical attention if cough or other symptoms develop.
Ingestion	Do not induce vomiting. Immediately give two glasses of water, a little at a time. Never give anything by mouth to an unconscious person. Call a physician. If vomiting occurs spontaneously, lower head below waist to prevent fluid from entering the lungs.

Section 5. Fire and Explosion Data

Suitable extinguishing media	In case of fire in the surrounding; all extinguisher agents allowed (Water spray, dry extinguishing media, foam, carbon dioxide, and so on)
Specific hazards with regard to fire-fighting measures	Evacuate area and fight fire from safe distance.
Flammable Limits	Not available
Products of Combustion	Not available
Explosion Hazards in Presence of Various Substances	Non-explosive
Fire Fighting Media and Instructions	Use extinguishing media suitable for surrounding materials
Special Remarks on Fire Hazards	Not available
Special Remarks on Explosion Hazards	Not available

Section 6. Accidental Release Measures

Small Spill	<p>Remove all ignition sources.</p> <p>Clean up all spills immediately.</p> <p>Avoid contact with skin and eyes.</p> <p>Control personal contact by using protective equipment.</p> <p>Use dry clean up procedures and avoid generating dust.</p> <p>Place in a suitable labelled container for waste disposal</p>
Large Spill	<p>Clear area of personnel and move upwind.</p> <p>Alert Emergency Responders and tell them location and nature of hazard.</p> <p>Prevent, by any means available, spillage from entering drains or water course.</p> <p>Stop leak if safe to do so.</p> <p>Contain spill with sand, earth or vermiculite.</p> <p>Collect recoverable product into labeled containers for recycling.</p> <p>Collect solid residues and seal in labeled drums for disposal.</p> <p>Wash area and prevent runoff into drains.</p> <p>After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using.</p> <p>If contamination of drains or waterways occurs, advise emergency services.</p>

Section 7. Handling and Storage

Storage	Keep container closed when not in use. Do not store in direct sunlight and rain. Keep the liquid temperature from 10°C to 40°C
Handling	In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Wash thoroughly after handling.

Section 8. Exposure Controls, Personal Protection

Engineering Controls	Facilities storing or utilizing this substance should be equipped with an eye wash facility and a safety shower.
Personal Protection	<p>Respiratory protection: Needless in normal industrial use</p> <p>Hand protection: Wear chemical resistant gloves.</p> <p>Eye protection: Wear safety glasses with side shields or goggles and a face shield.</p> <p>Skin and body protection: Wear chemical resistant suit and rubber boot.</p>

TLV/PEL	No occupational exposure limits proposal established by OSHA(2002), ACGIH(2002) and NIOSH.
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Section 9. Physical and Chemical Properties

Appearance	Light yellow or brown viscous liquid
Molecular Weight	Not applicable
pH	ca. 2.5~7.5
Boiling/Condensation Point	ca. 100°C
Melting/Freezing Point	< 0°C
Specific Gravity	1.05 ~ 1.15 (25°C)
Vapor Pressure	Not applicable
Vapor Density	Not available
Odor	Aromatic (Slight)
Autoignition	Not available
Viscosity	300~ 800 cPs(25°C)
Explosion	Not applicable
Solubility	Fully miscible
Flash Point	Not applicable

Section 10. Stability and Reactivity

Stability and reactivity	The product is stable
Conditions of Instability	Not available
Incompatibility with Various Substances	Not available
Corrosivity	Not available
Special Remarks on Reactivity	Not available

Section 11. Toxicological Information

Toxicity to Animals	Not available
Special remarks on Toxicity to Animals	Not available
Chronic Effects on Humans	CARCINOGENIC EFFECTS Classified None by NTP MUTAGENIC EFFECTS Not available DEVELOPMENTAL TOXICITY Not available REPRODUCTIVE TOXICITY Not available
Special remarks on Toxicity to Humans	Not available

Section 12. Ecological Information

Ecotoxicity	Not available
BOD5 and COD	Not available
Biodegradation	Poorly biodegradable
Special Remarks on the Products of Biodegradation	Not available

Section 13. Disposal Considerations

Waste Information	Dispose of according to all federal, state and local applicable regulations
Waste Stream	Not available

Section 14. Transport Information

Not Restricted IATA

Section 15. Regulatory Information

KOREA STATUS	Filed
US STATUS	Listed on the United States TSCA(Toxic Substances Control Act) inventory SARA TITLE III313 : Not listed
EINECS	All monomers are listed
ACIS	All monomers are listed

Section 16. Other Information

Other Special Considerations Not available

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