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Material Safety Data Sheet
Glycerol Mono Ricinoleate

Section 1-Product Identification & Company Information

Product Name : Glycerol Mono Ricinoleate
Synonyms : Glyceryl Ricinoleate, Monoricinolein, Castor oil monoglyceride, and GMR.
CAS No : 1323-38-2

Company Name & Address : The BTTCO Overseas
6, Ashirvad Complex, Nr. Sardar Patel Seva Samaj Hall,
Navrangpura, Ahmedabad 380009, India

Telephone Number : +91-94265 96891
Contact Person : Mr. Dinaish Lunkad

Section 2- Composition/Information on Ingredients

Mono & Di Glycerides : 99 - 100%

Section 3- Hazards Identification

Not classified as dangerous according to EEC Dangerous Substance Directive and Dangerous Preparation Directive.

Health Hazards : No Harmful effects have been identified
Physical – Chemical Hazards : None Identified
Environmental Hazards : None Identified

Section 4- First Aid Measures

Eye contact : Immediately rinse with water. If symptoms persist, seek medical advice
Skin contact : Wash the skin with soap and water.
Inhalation : Not likely to occur.
Ingestion : It does not cause any harm to the system. Rest for some time, if any irritation feels or seek medical attention

Section 5- Fire Fighting Measures

Extinguishing media : Water spray, Fog or mist, Foam, Powder, Carbon dioxide.

Fire Hazards : Non-flammable. If involved in a fire it will support combustion. Do not breath fumes.

Hazardous combustion products : No typical hazardous decomposition products known.

Section 6- Accidental Release Measures

Personal precautions : For personal protection see Section 8.

Environmental precautions : Prevent discharge of larger quantities to drain or water courses.

Methods cleaning up : Larger spill: Contain spill with inert material. Absorb in vermiculite, dry sand or earth. Place in container for disposal according to local regulations. Small quantities may be flushed to drains with plenty of water.

Section 7- Handling and Storage

Handling : The usual precautions for handling chemicals should be observed.
Storage : No specific storage precautions noted.
Shelf-life : 18 months from the date of manufacture.

8. Exposure Controls/Personal Protection

Exposure limits comments : No exposure limits have been established.

Engineering controls : The usual precautions for handling chemicals should be observed.

Personal protection Hand : Chemical resistant gloves required for prolonged or repeated contact. Use protective gloves made of: Neoprene or nitrile.

Section 9- Physical and Chemical Properties

Appearance	: Viscous Oily Liquid
Color	: Amber
Acid Value, mgKOH/gm	: 5.0 max
Saponification Value, mgKOH/gm	: 140 – 165
Iodine Value, cc/100gm	: 65 – 75
Mono Ester Content, %	: 35 min
Solubility	: Insoluble in water, Soluble in solvents.
Flash Point	: > 150°C

Section 10- Stability and Reactivity

Stability : Normally stable.

Hazardous decomposition products : Carbon Mono Oxide & Carbon Di Oxide on burning

Incompatibility (Keep away from) : Strong Oxidizers such as Hydrogen Peroxide, Bromine, Chromic Acid

Section 11- Toxicological Information

Toxicological data Health effects

Respiratory	**:** Not likely to occur.
Skin	**:** No Skin irritation has been observed, if allergic seek medical attention.
Eyes	**:** Slightly irritating without causing any harm.
Ingestion	**:** Low acute toxicity.

Section 12- Ecological Information

Ecotoxicological data : Not available.

Section 13- Disposal Considerations

Waste Disposal : Incineration is recommended. Dispose of in accordance with local authority requirements.

Section 14- Transport Information

DOT/IATA/IMDG/IMO

Not dangerous goods, according to international transport regulations.

Section 15- Regulatory Information

Substance name : Fatty acid Esters (Mono Di Glycerides)
Symbols : Non-Hazardous
Other information : Not classified as dangerous, can be used as food ingredient, the product does not contain any substance from animal source.

Section 16- Other Information

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