



SAFETY DATA SHEET

1. Identification of Product and Supplier

GHS (Globally Harmonized System) Identifier of the Product:

Epoxidised Soybean Oil (ESBO)

CAS (Chemical Abstract Service) RN (Registry Number): 8013-07-8

Other Identification means:

Trade Name: Green Soft Q

Recommended usage of the chemical product and usage restrictions: It is a plasticizer and co- stabilizer for PVC.

Contact information of Supplier

Termoplásticos del Sur S.A.

Address: Juan XXIII3112- Parque Industrial Burzaco- Bs As

Telephone Number: 0810-345-3344 (If the call is made from a foreign country, please contact us at 5252-3450)

E- mail: info@termoplasticosdelsur.com

Emergency number:

If an emergency occurs, please contact us at 0810-345-3344.

2. Identification of hazard or hazards

According to the classification established by GHS and the information available at National or Regional level about the substance or mixture:

The product does not pose risks for human beings pursuant to *GHS*.

Label elements:

Symbol: It does not apply

Signal word: It does not apply

Hazard statement: It does not apply.

Precautionary Statements



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P262- You should avoid getting the product in the eyes or on skin or on clothing.

P273- You should avoid releasing the product to the environment.

P280- You should wear protective gloves/ protective clothing/ eye protection/ face protection

P404- You should store the product in a dry place.

Other types of hazards

This category does not apply.

3. Composition or information on ingredients

Chemical identity:

Epoxidised Soybean Oil (ESBO)

CAS RN:

8013-07-8

4. First Aid Measures

General measures to be implemented:

You should not implement any kind of special measures. You should remove the clothing that has come into contact with the product.

Inhalation of the product:

If you inhale the product, you should be provided with fresh air. Should difficulty in breathing or any other type of disorder appear, please seek medical advice.

Skin contact:

If the product is brought into contact with your skin, you should wash your skin with soap and water.

Eye contact:



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If you get the product in your eyes, you should rinse your eyes for several minutes when your eyes are open. Also, you should seek medical advice if you continue having distress in your eyes.

Ingestion of the product:

Should you ingest the product, you must wash your mouth. Moreover, you should drink water. Also, you must seek immediate medical attention.

Most important symptoms/ effects that can be acute and delayed:

Any other relevant information t is not available.

Immediate medical attention:

The doctor shall determine the treatment for the patient according to the symptoms showed. The patient shall undergo a decontamination procedure and his life functions shall be checked.

5. Fire- fighting measures:

Extinguishing media:

You can extinguish fire with water spray, appropriate foam, carbon dioxide, chemical powder.

Specific hazards that arise from combustion products:

The combustion of products may produce toxic fumes, such as: carbon monoxide and carbon dioxide.

Personal protective equipment:

You must wear the appropriate equipment for the handling of chemicals. You should wear self-contained breathing equipment.

6. Accidental release measures:

Personal precautions, protective equipment and emergency procedures:

You must wear personal protective equipment. The ones who do not wear protective equipment must be isolated. Any ignition source should be eliminated. There is risk of slipping.



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Environmental precautions:

You should contain or reduce the spill with sand, soil or appropriate barriers.

You should adopt the corresponding measures to prevent the product from entering canals, surface water, or groundwater.

You should take all the precautionary measures to prevent the product from contaminating the earth or subsoil.

You should retain the wash water that has been contaminated with the product.

Methods and materials for containment and cleaning up:

You should pump out the product.

You should remove the product using absorbent material (sand, diatomite, sawdust, vermiculite, among others).

You should throw away the material that has been contaminated as waste.

7. Safe handling and storage of the product:

Measures for safe handling of the product:

You are not required to implement special measures for handling of the product. However, we recommend you to wear working clothes.

You should wear rubber gloves and eye protection.

You should not neither eat nor drink when handling the product.

You should not smoke when handling the product.

Conditions for safe storage, including any incompatibility

You should storage the product in a well closed container.

You should storage the container in a dry place.

You should keep the product away from food and drinks.

You should keep the product away from direct sunlight, any source of heat and strong oxidizing agents.



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You should storage the product at room temperature.

8. Exposure control parameters/ personal protection measures:

Control parameters: occupational exposure limit values or biological limit values

Knowledge about the limits of occupational exposure is not known. You should provide appropriate aeration and engineering controls to keep the vapour concentrations under the threshold limit. You should install emergency showers near the working place.

Individual protection measures, such as personal protective equipment:

Hand protection: you should wear rubber gloves

Eye protection: you should wear safety goggles

Skin protection: you should wear appropriate protective clothing.

9. Physical and chemical properties

Appearance: the product is a light yellow and oily liquid.

Odour: the product has a faint odour that is characteristic of this type of product.

Odour threshold: the odour threshold is not determined.

pH: the pH is not determined.

Flash point: the flash point is 231^aC

Evaporation rate: the evaporation rate is not determined.

Flammability (solid/ gas): the flammability is not determined.

Upper / lower flammability or explosive limits: this category does not apply to the product.

Vapour pressure: the vapour pressure is not determined.

Vapour density: the vapour density is not determined.



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Relative density: the relative density is 0.995 +/- 0.005 g/ cm³

Solubility: the product cannot blend homogeneously with other substances.

Auto-ignition temperature: the auto-ignition is > 340^aC

Decomposition temperature: the decomposition temperature is not determined.

Viscosity: the viscosity is approximately 500 cP.

10. Stability and reactivity:

Reactivity:

Should the product be adequately handled, hazardous reactions are not known.

Chemical stability:

The product is chemically stable.

Possibility of hazardous reactions:

The product does not show hazardous reactions.

Conditions that shall be avoided (such as: static electricity discharge, shock or vibration)

The conditions that shall be avoided are ignition sources.

Incompatible materials:

The materials that are incompatible with the product are acids, alkalis, caustic chemicals, halogens, reactive chemical products.

Hazardous decomposition products:

Hazardous decomposition products are not known.

11. Toxicological information:

Likely routes of exposure:



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A likely route of exposure is the ingestion of the product.

Symptoms related to the physical, chemical and toxicological characteristics:

Skin contact:

The product is practically non-toxic if it touches your skin for just one time.

If you usually handle the product without the adequate protection means, you may suffer from irritation on your skin.

Eye contact:

If the product makes contact with your eyes, you may experience irritation on your eyes as a result.

Other toxic effects on human beings:

Acute toxicity: if you eat the product in large quantities, it may be harmful to your health. The product is deemed to be non toxic as per the toxicological data of its components.

Assessment of toxicity if the product is frequently handled:

The toxicity is not known.

12. Ecotoxicological information:

Ecotoxicity:

It is highly probable that the product does not pose a highly toxic threat to aquatic organisms. If a previous treatment at a biological treatment plant has not been performed, the product shall not flow into waste water.

Persistence and degradability:

The product is biodegradable.

Bioaccumulative potential:

Significant accumulation of the product is not expected to take place in organisms.

Mobility in soil:



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The product is not a risk for the ecology in small quantities. However, the product may be harmful in significant quantities.

The product does not evaporate on the surface of water to go into the atmosphere.

It can absorb the particles on soil.

Other adverse effects:

Other adverse effects are not determined.

13. Data related to disposal of product:

Disposal of product:

You shall dispose the product in accordance with the applicable national and local laws.

Disposal of packaging:

You can use again the packaging if you wash it previously with water and soap.

14. Data concerning the means of transport:

The product is not classified as hazardous according to *IMDG* (International Maritime Dangerous Goods), *ADR* (European Agreement concerning the international carriage of Dangerous goods by Route), *RID* (Regulation concerning the International carriage of dangerous goods by rail), *ICAO* (International Civil Aviation Organization), *IATA* (International Air Transport Association).

15. Regulatory Information:

The product is not classified as hazardous in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals.



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16. Other information:

This safety data sheet has been made upon our current knowledge. However, we do not provide warranties about the statements herein made.