

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

Version: 1
Form No: 206001

Preparation Date : 8/24/11
Revision Date: 8/24/2011

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name Boso Ergon Sorbents Oil Only
SDS No 206001
Description Oil and chemical absorbent, filter fabric

1.2 Relevant Identified Uses Of The Product And Uses Advised Against

Relevant Identified Uses

- Marine cleaning
- Laboratories
- Industrial applications
- Filtration industry
- Medical Industry

Uses Advised Against See chapter 16 for a general overview

1.3 Details Of The Supplier Of The Safety Data Sheet

Supplier (Manufacturer) Boso B.V.

Address – Factory P.O. Box 14
8600 AA Sneek, The Netherlands

Telephone +31 515 487600

Fax +31 515 487 614

Company E-mail info@boso.nl

Company Web Page www.boso.nl

2. HAZARDS IDENTIFICATION

2.1 Classification Of The Product

2.1.1 Classification According to Regulation (EC) No 1272/2008

· Not Available

2.1.2 Classification According to Regulation to 67/548/EC

· Not Available

2.2 Label elements

2.2.1. Labeling According to Regulation (EC) No 1272/2008 [CLP¹/GHS²]

Product Identifier

Hazard Component for Labeling

· None

Hazard Pictograms

· None

Signal Word

· None

Hazard Statements

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

Version: 1
Form No: 206001

Preparation Date : 8/24/11
Revision Date: 8/24/2011

· None

Precautionary Statements

Prevention

· None

Response

· None

Storage

· None

Disposal

· None

Supplemental Hazard Information (EU) Statements

No data available.

2.2.2. Labeling According to Regulation to 67/548/EEC

Hazard Description

According to the EC Regulation No. 67/548/EEC This product is classified as follows:

· No particular hazardous ingredients are known

Hazard Component for Labeling

· None

Hazard Symbols

· Not Applicable

Risk Phrases

· Not Applicable

Safety Phrases

· Not Applicable

2.2.3. Special Rules For Supplemental Label Elements For Certain Mixtures

None.

2.2.4. Additional Labeling

· Not Applicable

2.3 Hazard Identification

2.3.1. Skin Contact

No irritant effect.

Molten or heated material in skin contact can cause severe burns.

2.3.2. Eye Contact

No irritant effect.

Irritating vapors to eyes may form when polymer is processed at high temperatures.

Molten or heated material in eye contact can cause severe burns. No irritant effect.

2.3.3. Ingestion

No irritant effect

In general, ingestion of chemicals causes adverse effects on health.

2.3.4. Inhalation

No irritant effect.

Negligible at room temperature. Nuisance dusts can be irritating to the upper respiratory tract

Irritating vapors to respiratory system may form when polymer is processed at high

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

Version: 1
Form No: 206001

Preparation Date : 8/24/11
Revision Date: 8/24/2011

temperatures

2.3.5. Long term effects

No data available

2.3.6. Adverse Environmental Effects

No data available

2.4. Additional Information

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Description Of The Substance

NAME	EINECS NO	CAS NO.	CONTENT	CLASSIFICATION
1-propene, polymer	Polymer	9003-07-0	95	This substance is not classified in the Annex I of Directive 67/548/EEC.
Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	500-038-2	25322- 68- 3	1,4	This substance is not classified in the Annex I of Directive 67/548/EEC.
Fatty acids, coco, ethoxylated	-	61791- 29- 5	1,6	This substance is not classified in the Annex I of Directive 67/548/EEC.
The product contains 2% colourant preparation which is not classified in the Annex I of Directive 67/548/EEC				

3.2 Hazardous ingredients

According to the EC Regulation No. 67/548/EEC This product is classified as follows:

- No particular hazardous ingredients are known

3.3 Additional information

- None

4. FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 General information

- The measures listed below apply to critical situations (Fire, incorrect process conditions).
- At room temperature the product is neither an irritant nor gives off hazardous vapours. In all cases of doubt, when symptoms persist, see medical attention.
- Never give anything by mouth to an unconscious person.

4.1.2 Following inhalation

- In case of excessive inhalation of fumes move the person to fresh air. Call for medical help.
- Keep person warm, if necessary give mouth-to-mouth resuscitation, or artificial respiration

4.1.3 Following skin contact

- Heated Polymer:
For serious burns from heated polymer, get medical attention.
After contact with the molten product, cool rapidly with cold water.
- Do not pull solidified product away from the skin.
- Seek immediate medical advice

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

Version: 1
Form No: 206001

Preparation Date : 8/24/11
Revision Date: 8/24/2011

4.1.4 Following eye contact

- Rinse opened eye for several minutes under running water

4.1.5 Following ingestion

- Get medical advice if necessary.
- No specific measures have to be taken if the product is swallowed.

4.1.6 Self-protection of the first aider

- Not applicable

4.1.7 Notes for the doctor

- Act upon symptoms

5. FIRE-FIGHTING MEASURES

5.1 General Information and Flammable Properties

May be combustible at high temperature

5.2 Extinguishing media:

- Water haze, Foam, Carbon dioxide, Chemical powder

5.3 Unsuitable extinguishing media

- None

5.4 Special hazards arising from the product

- In case of fire it can release :
- Water (H₂O), carbon dioxide (CO₂), and when lacking oxygen (O₂), carbon monoxide (CO)
- The products of the burning are dangerous.
- The formation of hydrocarbons and aldehydes are possible in the initial stages of a fire (especially in
- between 400°C and 700°C).

5.5 Advice for fire-fighters

- Put on breathing apparatus

5.6 Additional information

- Heat value : 8000 - 11000 kcal/kg
- Cool endangered containers with water in case of fire.
- Do not allow the quenching water into sewage systems

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

- No specific measures are necessary..
- Refer to protective measures listed in section 7 and 8.

6.2 Environmental precautions

- No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

6.3.1 For containment

- Contain for disposal according to local / national regulations.

6.3.2 For cleaning up

- Small spills: Put into a labeled container and provide safe disposal.
- Large spills: Act as during a limited release.

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

Version: 1
Form No: 206001

Preparation Date : 8/24/11
Revision Date: 8/24/2011

- Recycle product or dispose properly..

6.3.3 Other information

- Collect spilled polymer: It could cause falls (Danger of slipping).
- Dispose of waste material according to local, state and federal regulations.

6.4 Reference to other sections

- Dispose of contaminated material as waste in accordance with section 13.
- See Section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1 Protective measures

Personal preventions

- No special requirements necessary, if handled at room temperature.
- When bringing the material to processing temperatures gases might develop, forming: Propylene, hydrocarbon substances with low molecular weight and their oxidation products, solvent residues, traces of formaldehyde and acrylaldehyde, traces of acids (Formic acid, acetic acid)
- Experimental tests under different application conditions showed maximum limits of formaldehyde, acrylaldehyde, formic acid, and acetic acid being significantly below TLV- values.
- Take precautionary measures against explosion risks, as all types of polymers may develop dust during transporting or grinding of granules.

Fire preventions

- No special precautions required

Environmental precautions:

- Dispose of waste material according to local, state and federal regulations.

7.1.2 Advice on general occupational hygiene

- Provide appropriate ventilation for such processing conditions
- Avoid spilling the product, as this might cause falls.
- Do not eat, drink and smoke during work.
- Comply with the health and safety at work laws.
- Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

- Take precautionary measures to prevent the formation of static electricity.
- Do not smoke.
- Ground equipment electrically.
- Electric safety equipment.
- Open flames prohibited.
- Store the product in bags, car silos, container, or large cartons..
- Prevent unauthorized access.

STORAGE INCOMPATIBILITY

- No data.

7.1 Advice on common storage

- Store container in a well-ventilated position.

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

Version: 1
Form No: 206001

Preparation Date : 8/24/11
Revision Date: 8/24/2011

- Store under dry conditions
- See also instructions on the label.
- Keep away from food, drink and animal feeding stuffs.
- Store away from incompatible materials and foodstuff containers.
- Protect containers against physical damage.
- Observe manufacturer's storing and handling recommendations.

7.2 Specific precautions on storage

- Observe the national and local regulations concerning handling and storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Preventive industrial and medical examinations must be carried out according to the application area..

8.1.1 Occupational exposure limits

- Components with limit values that require monitoring at the workplace: Not required.
- Additional exposure limit values for possible processing dangers
 - 107-02-8 acrylaldehyde
WEL³ Short-term value: 0.70 mg/m³, 0.3 ppm
WEL Long-term value: 0.23 mg/m³, 0.1 ppm
 - 50-00-0 formaldehyde
WEL Short-term value: 2.5 mg/m³, 2 ppm
Long-term value: 2.5 mg/m³, 2 ppm
 - 64-18-6 formic acid
WEL Long-term value: 9.6 mg/m³, 5 ppm.
- Correct fit is essential to obtain adequate protection.
- Supplied-air type respirator may be required in special circumstances.

8.2 Exposure controls

- Provide adequate ventilation.
- Provide system for collecting the vapors which are created during the working process.

8.2.1 Appropriate engineering controls:

- See Section 7

8.2.2 Personal protection equipment

8.2.2.1 Eye / Face protection:

- Safety goggles recommended during refilling



8.2.2.2 Skin protection

Hand protection

- Heat resistant gloves.
- Material of gloves:
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective



Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

Version: 1
Form No: 206001

Preparation Date : 8/24/11
Revision Date: 8/24/2011

gloves and has to be observed.

Body protection

- Normal overalls.
- When handling or processing resins at elevated temperatures or in a molten state, wear protective clothing over the skin to prevent contact

Other protection

- Handle in accordance with good industrial hygiene and safety practice.
- Wash hands before breaks and at the end of workday.
- Wash hands before eating or drinking.



8.2.2.3 Respiratory protection

Respirator Recommendations

If appropriate ventilation is not available use face mask when handling the molten product.

8.2.3 Environmental exposure controls

- Legislation for the protection of the environment must be met in full.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance

Form/Physical state	Solid
Color	Grey
Odor	Odorless
	Value
pH (in water) @ 80g/l (20(°C) Method Aq. Suspension	Not available
Freezing point/range (°C)	Not available
Boiling point/range (°C)101,3 kPa	Not available
Melting point (°C)	>159
Flash Point (°C)closed cup	Not applicable
Ignition temperature (°C)	>400
Specific Gravity (H2O=1)	Not available
Bulk density (kg/m ³)	Not available
Solubility in water %	Insoluble
Partition coefficient n-Octanol/Water (log Po/w)	Not available
Explosive Property	None
Oxidation Property	Not available

Note: The above features were determined according to prescribed methods at the Classification, Packaging and Labeling of Hazardous Substances Regulation Section A-3 or a method comparable to the other.

10. STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability

- The product is stable at normal handling- and storage conditions. (See section 7.)

10.3 Possibility of hazardous reactions

- No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid:

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

Version: 1
Form No: 206001

Preparation Date : 8/24/11
Revision Date: 8/24/2011

- No data available

10.5 Incompatible materials:

- Strong oxidation agent

10.6 Hazardous decomposition products:

- No hazardous decomposition products known at room temperature

10.7 Hazardous polymerization:

- No data available

11. TOXICOLOGICAL INFORMATION

11.1 General Information

- When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- Symptoms or effects that may arise if the product is mishandled and overexposure occurs are: please refer to health Effects Section for acute effects

11.2 Acute toxicity

- This product has not been tested in animal experiments. The toxicological data has been taken from products of similar composition.
- The acute toxicity data for :
Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-Ethane-1,2-diol,ethoxylated [CAS#25322-68-3] and Fatty acids, coco, ethoxylated [CAS#61791-29-59]:
 - LD 50 (oral)(rat)>2000 mg/kg
 - LC 50 (inhalative)>1 mg/kg 1-100 mg/kg 96 hours, literature value
 - IC 50>1 mg/kg 1-100 mg/kg
 - EC 50>1 mg/kg 1-100 mg/kg

11.3 Skin corrosion/irritation and Eye damage/irritation:

- In normal conditions no irritation expected on skin contact.
- In normal conditions no irritation expected on eye contact.

11.4 CMR effects (Carcinogenicity) :

No data available.

11.5 CMR effects (Mutagenicity and Toxicity for reproduction) :

No data available.

11.6 Other Toxicological Effects:

Allergic Effects	No data available
Effects on Repeated Doses Chronic Exposures	No data available
Sensitization	No sensitizing effect known
Developmental Toxicity (Teratogenicity)	None
Fertility	None

11.7 STOT-single/repeated exposures:

STOT-single exposure	No data available
STOT-repeated exposure	No data available

11.8 Symptoms related to the physical, chemical and toxicological characteristics:

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

Version: 1
Form No: 206001

Preparation Date : 8/24/11
Revision Date: 8/24/2011

In case of inhalation	No irritant effect. Negligible at room temperature. Nuisance dusts can be irritating to the upper respiratory tract Irritating vapors to respiratory system may form when polymer is processed at high temperatures
In case of skin contact	No irritant effect. Molten or heated material in skin contact can cause severe burns
In case of eye contact	No irritant effect. Irritating vapors to eyes may form when polymer is processed at high temperatures. Molten or heated material in eye contact can cause severe burns.
In case of ingestion	No irritant effect. In general, ingestion of chemicals causes adverse effects on health.

11.9 Additional Toxicological Information:

- Toxicological classifications are based on available knowledge and information
- EEC classification: None
- The special effects to health are considered by taking into account the information in section 3.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

The product is not toxic, small particles can have physical effects on water and soil organisms.

Fish: No data available

Daphnia Magna: No data available

Algae: No data available

Toxic to aquatic microorganisms:: No data available

The ecotoxicity data for :

Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-Ethane-1,2-diol,ethoxylated[CAS#25322-68-3] and Fatty acids, coco, ethoxylated [CAS#61791-29-59]:

- LC 50 >1 mg/kg(Aquatic Toxicity)

12.2 Photo degradation

No data available.

12.3 Effects on Waste Water Treatment Plants

Not determined.

12.4 Mobility

Liquid

Solubility in water: Insoluble

Floats on water.

Refer to ecotoxicity.

Water threat class

No data available

Clean Water Impact

No data available

Known or predicted environmental distribution

No data available

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

Version: 1
Form No: 206001

Preparation Date : 8/24/11
Revision Date: 8/24/2011

12.5 Results of PBT and vPvB assessment

Biotic	
Ready biodegradability:	The product is not biodegradable
Abiotic:	
Hydrolysis as a function of pH:	No data available
Photolysis:	No data available
Atmospheric oxidation:	No data available

Persistence and degradability:

Decomposition Potential of the products	No data available
The half-life of degradation	No data available
Potential degradation of product content in the evaluation of wastewater treatment plants	No data available

Bioaccumulation Potential :

Biological environment (biota) accumulation potential	There is no bioaccumulation
Potential - nutrients pass through	No data available
Reference Values - Log K_{ow} , S_w and BCF	No data available

12.6 Additional information

- Do not empty into waters or drains.
- Aquatic toxicity: No data available.
- Do not allow to be released into the environment
- See the sections 6, 7, 13, 14 and 15.

13. DISPOSAL CONSIDERATIONS

13.1 Product / Packaging disposal

- The material can be re-used or recycled according to the regulations of Guideline EG 94/62.
- Disposal through controlled incineration or authorized waste dump. Disposal according to local authority regulations.
- Can be landfilled, when in compliance with the Environmental Protection (Duty of Care) Regulation 1991.
- Contact waste disposal services

13.2 Contaminated packaging

- Can be re-used after emptying and cleaning.
- If there is product residue in the emptied container, follow directions for handling on the container's label.
- Contaminated packaging must be emptied of all residues and can be recycled following appropriate cleaning.
- Avoid dust formation.

13.3 Disposal Methods

- Dispose of chemicals waste or in accordance with local regulations.
- Follow all applicable local laws, rules and regulations regarding the proper disposal of this material.
- If this product has been altered or contaminated with other hazardous materials, appropriate waste analysis may be necessary to determine proper method for disposal.

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

Version: 1
Form No: 206001

Preparation Date : 8/24/11
Revision Date: 8/24/2011

13.4 European Waste Catalogue

- 07 02 13: waste plastic
- The final classification has to be done together with the local waste disposal company / authority.

14. TRANSPORT INFORMATION

	ADR ⁴ /RID ⁵	ADNR	IMDG ⁶	ICAO ⁷ /IATA ⁸
TRANSPORTATION	Road	River	Marine	Airways
PROPER SHIPPING NAME	Not classified as dangerous in the meaning of transport regulations.			
UN/ID No.	-	-	-	-
CLASS	-	-	-	-
PACKAGING GROUP				
LABELLING NO	-			
CLASSIFICATION CODE	-	-	-	-
HAZARD NO (HIN NO)	-			
EmS			-	
MARINE Pollutant			No	
Road Transport Notes: This product is NOT regulated as a hazardous material.				

15. REGULATORY INFORMATION

15.1 Safety, Health And Environmental Regulations / Legislation Specific For The Substance US FEDERAL REGULATIONS 311/312 Hazard Categories:

- Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
Immediate Hazard - No Delayed Hazard - No

15.2 Chemical Safety Assessment

This product is an article as defined by TSCA⁹ regulations, and is exempt from TSCA Inventory listing requirements.

15.2.1 HAZARD

CLP classification according to Annex VI of CLP (Regulation (EC) No 1272/2008)

- None

15.2.2 RISK

Risk Codes:

- None

15.3 INTERNATIONAL REGULATIONS

- This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 and ISO 11014:2009. This product is classified according to EU Directive 67/548/EC and GHS/CLP.
- System of specific information relating to Dangerous Preparations: 2001/58/EC as amended by Directive 93/112/EC, 2001/58/EC and 2006/8/EC.

16. OTHER INFORMATION

16.1 Other information

NFPA¹⁰ Hazard Classification

Health: 0 Flammability: 0 Reactivity: 0 Special Hazards: None

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

Version: 1
Form No: 206001

Preparation Date : 8/24/11
Revision Date: 8/24/2011

- The above information complies with the 199/45/EC and 1907/2006 Directives and their amendments.
- In all cases of potential poisoning supportive therapy is of the utmost importance.

16.3 Revision Date, Version and SDS no

- Date : AUGUST 22nd , 2011
- Version : 1.0/ENG
- MSDS No : 206001

16.4 Reason of re-issue

- First revision

16.5 Relevant R-, H- and EUH-phrases (number and full text):

Not Applicable

16.6 Legal disclaimer

- The purpose of the above information is to describe the products only in terms of health and safety requirements.
- The information given should not, therefore, be construed as guaranteeing specific properties or as specification.
- Customers should satisfy themselves as to the suitability and completeness of such information for their own particular use.
- The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.
- The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.
- The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Due to the many factors outside our control when using this product, we cannot accept liability for any injury, accident, loss or damage caused through its use.

¹ CLP: Classification Labelling and Packaging

² GHS: Global Harmonised System

³ WEL: Workplace exposure limit

⁴ ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

⁵ RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

⁶ IMDG: International Maritime Code for Dangerous Goods

⁷ ICAO: International Civil Aviation Organization

⁸ IATA: International Air Transport Association

⁹ TSCA: Toxic Substances Control Act

¹⁰ NFPA: National Fire Protection Association