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According to Regulation (EC) No. 1907/2006

ECOSTAR

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

1.1. Identification of the substance /preparation

Commercial name : ECOSTAR - form : sheet, roll.

1.2. Use of the substance /preparation

Sorption of oils and petrol substances, sorption of their substances from water surface.

1.3. Company / undertaking identification

Address of the Producer : **ECOTEXTIL, s.r.o., 277 11 Neratovice, Hornátky 1,
Czech Republic**
IČO (Identification number of the Company) : 48953890
Phone: +420 315 682 352

Sales Department : Phone: +420 315 682 352 – I. 13

1.4. Emergency telephone number in case of accident

ECOTEXTIL, s.r.o. +420 315 682 352

Toxicologic information center in Prague: +420 224 919 293

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance / preparation

Product is not classified as dangerous according to the Czech Act No. 356/2003 Sb.

Classification: none

Symbol: none

R, S: none

2.2. Information pertaining to particular dangers for human

Substance does not have any acute or chronic adverse effect on human health under ordinary handling conditions. Under incautious handling only mechanical irritation of eyes or skin may occur. Air with free microfibres may irritate respiratory systém. Hot material may cause burns.

2.3. Information pertaining to particular dangers for the environment

Substance has not adverse environmental effects

2.4. Other adverse effects

Flammable, but hardly ignitable substance. When burning, substance decomposes thermally under creation of toxic and irritant substances. Dust is explosive. When the dust concentration in air exceeds the lower explosion limit, danger of explosion because of low initiatory energy. Product may be charged electrostatically.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical composition:

Polypropylene:	99,5 %	CAS No.: 9003-07-0
Blend of colour concentrates:	0,5 % max.	

4. FIRST AID MEASURES

4.1. General advise

In case of health troubles or doubts, seek medical advice and show this Material Safety Data Sheet.

4.2. Inhalation

In case of dust inhalation remove patient to fresh air.

4.3. Skin contact

First aid is usually not required, observing common personal hygienic regulations is sufficient. After contact with hot product do not try to remove it from skin, cool burned area under cold water stream and seek medical advise.

4.4. Eye contact

In case of dust intrusion into eyes, flush eyes thoroughly with water or remove the dust like other mechanical contamination.

4.5. Swallowing

In case of swallowing big amounts, medical treatment necessary.

5. FIRE-FIGHTING MEASURES

5.1. Suitable extinguishing media

Foam, powder, in case of large fire water spray.

5.2. Extinguishing media to be avoided

Water jet.

5.3. Caution about specific danger in case of fire and fire-fighting procedures

In case of high dust concentrations danger of ignition or explosion, measures against static electricity discharge (equipment earthing, transport under inert gas) necessary. When burning, creation of carbon monoxide and other toxic and irritant fumes. Do not breath fumes. Additional information : calorificity 8 000 – 11 000 kcal/kg.

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5.4. Special protective equipment for fire-fighters

Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1. Person-related safety precautions

No disposal.

6.2. Precautions for protection of the environment

Do not flush spilled material into drains.

6.3. Recommended methods for cleaning nad disposal

No disposal for clear product. Disposal of fouled product need to be done based on recommendation and on acquisition from the material safety data sheets of substances in sorbents after using.

7. HANDLING AND STORAGE

7.1. Information for safe handling

Observe all fire-fighting measures (no smoking, do not handle with naked flame and remove all possible sources of ignition). Avoid dust farmation and static electricity discharge. Wear recommended personal protective equipment. Observing common personal hygienic regulations is sufficient.

7.2. Information for storage

Storerooms should meet the requirements for the fire safety of constructions and electrical facilities and should be in conformity with valid regulations. Store in cool, well-ventilated and roofed storeroom, protected from direct sunshine. Recommended storage temperature: - 20 °C to +30 °C.

7.3. Information for specific use

Not applicable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Hygienic exposure control limits in the workplace atmosphere for the Czech Republic

Polypropylene dust : PEL_r --- mg/m³
 PEL_c 5 mg/m³

PEL_r Permissible exposure level for respirable dust

PEL_c Permissible exposure level for total dust concentration

Recommended determination method in the workplace atmosphere for dust : gravity surveying, dust meter.

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8.2. Personal protective equipment

- respiration protection : in case of risk of dust inhalation wear anti-dust respirator, in case of fire self-contained breathing apparatus
- eye protection : safety goggles
- hand protection : protective gloves
- skin protection : protective coveralls, sealed footwear
- general safety and hygienic measures : observe personal hygienic regulations. Do not eat, drink or smoke work! Wash thoroughly hands and uncovered body parts with soap and water after handling and before eating or drinking treat skin with a mild skin restoring cream.

8.3. Environmental exposure controls

General and local ventilation, in case of dust effective exhaust, hermetisation

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C	solid
Colour	white, blue
Odour	odourless
PH value	not applicable
Boiling point	not applicable
Flash point (°C)	350 - 360
Inflammability	flammable
Lower explosion limit - dust (g/m ³)	12,6
Oxidising properties	none
Vapour pressure at 20 °C (kPa)	not applicable
Density (kg/m ³)	900 - 920
Solubility in water at 20 °C (g/l)	insoluble
Solubility in fats at 20 °C (g/l)	not applicable
Viscosity at 20 °C (mPa.s)	not applicable
Vapour density	not applicable
Evaporation rate	not applicable
Melt point (°C)	158 - 165
Ignition temperature (°C)	370 – 390
Ignition temperature of settled dust (°C)	350
Ignition temperature of turbid dust (°C)	440
Minimal initiatory ignition energy (J)	0,08
Combustion heat (MJ/kg)	44 – 46
Bulk density (kg/m ³)	40 - 50

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10. STABILITY AND REACTIVITY

10.1. Conditions to avoid

The substance alone is stable at normal temperatures and conditions. Product may be charged electrostatically.

Conditions to avoid: high temperature, sources of ignition, static electricity

10.2. Material to avoid

Chlorine, fluorine and other oxidizing agents

10.3. Hazardous decomposition products

Thermal decomposition: at high temperature creation of substances with irritant or sensitising effects possible.

11. TOXICOLOGICAL INFORMATION

11.1. Effects dangerous to health

Substance does not have any acute or chronic adverse effect on human health under ordinary handling conditions. Under incautious handling only mechanical irritation of eyes or skin may occur. Dust inhalation may irritate respiratory system. Hot material may cause burns.

Acute toxicity

LD₅₀ intraperitoneal – rat more than 110 000 mg/kg

LD₅₀ intravenous – rat more than 99 000 mg/kg

11.2. Long-term and chronic effects

Not applicable.

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity

Not applicable

12.2. Mobility

Not applicable

12.3. Persistence and degradability

Not applicable

12.4. Bioaccumulative potential

Not applicable

12.5. Other adverse effects

Not applicable.

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13. DISPOSAL CONSIDERATIONS

13.1. Recommended disposal methods

Product disposal in accordance with valid legislative regulations.
Recommended waste disposal method : thermic decompose on incinerator dangerous wastes
(according to chemical properties sorptions substances)

13.2. Recommended disposal methods for contaminated packaging

Recycling – moulding.

13.3. Waste regulation valid in the Czech Republic

Act No. 185/2001 on wastes and on the amendment of some additional acts, as amended.
Regulation No. 381/2001 Sb. establishing the Waste Catalogue, as amended.

14. TRANSPORT INFORMATION

14.1. Transport classification

Product is not classified as dangerous good according to transport regulations.

14.2. Special transport precautionary measures

Not applicable.

15. REGULATORY INFORMATION

15.1. Labelling of the substance / preparation

Product is not classified as dangerous according to the Czech Act No. 356/2003 Sb.
Classification: none
Symbol: none
R, S: none

15.2. Regulatory Data relating to the substance / preparation

Regulation No. 1907/2006 of the European Parliament and of the Council (EC) concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency.
Act No. 356/2003 Sb. on chemical substances and chemical preparations.
Act No. 185/2001 Sb. on waste and on amendment of certain acts.
Act No. 258/2000 Sb. on the Protection of Public Health and on the amendments of some related acts, as amended.
Order-in-Council No. 178/2001 Sb., regulating Safety Occupational Health Conditions in the workplace, as amended

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16. OTHER INFORMATION

Sources of data used to compile the Material Safety Data Sheet :

- Material Safety Data Sheet according to the Act No. 231/2004 Sb. (Ecotextil, s.r.o.)
- Material Safety Data Sheet from polypropylene suppliers according to Regulation EC No. 1907/2006
- Material Safety Data Sheet from colour concentrates supplier according to Regulation EC No. 1907/2006

Statement :

This Material Safety Data Sheet has been elaborated in accordance with the Regulation EC No. 1907/2006 and replacing the Material Safety Data Sheet elaborated to the Act No. 231/2004 Sb. (Directive 91/155 EEC). This Material Safety Data Sheet contains information necessary for the protection of health and environment. The information does not substitute the quality specification of products and should not be construed as any guarantee of suitability for particular applications. The data contained are based on the present state of knowledge and current national legislation. The user is responsible for ensuring that the requirements of relevant regional legislation are complied with.

Ecotextil, s. r. o. Hornátky – Manager of Quality System