# SAFETY DATA SHEET BARRIER CURTAIN

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product name BARRIER CURTAIN

Product number D3080

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses AIR FILTERING BARRIER CURTAIN

## 1.3. Details of the supplier of the safety data sheet

Supplier ORAPI APPLIED LIMITED,

SPRING ROAD, SMETHWICK,

WEST MIDLANDS, B66 1PT, ENGLAND

Tel: 0121-525-4000 Fax: 0121-525-4919

lee.baughan@orapiapplied.com

Contact person Lee Baughan

#### 1.4. Emergency telephone number

**Emergency telephone** 0121 525 4000 (09:00 - 17:00 hrs)

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Lact. - H362

**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

**Human health** Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Contains a substance/a group of substances which may cause harm to breast-fed children.

**Environmental** The product contains a substance which is toxic to aquatic organisms and which may cause

long-term adverse effects in the aquatic environment.

## 2.2. Label elements

## **Pictogram**



Signal word Warning

**Hazard statements** H362 May cause harm to breast-fed children.

H410 Very toxic to aquatic life with long lasting effects.

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## BARRIER CURTAIN

**Precautionary statements** P201 Obtain special instructions before use.

P263 Avoid contact during pregnancy/ while nursing.
P264 Wash contaminated skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P501 Dispose of contents/ container in accordance with national regulations.

Contains ALKANES, C14-17, CHLORO

Supplementary precautionary P

P260 Do not breathe vapour/ spray.

statements P308+P313 IF exposed or concerned: Get medical advice/ attention.

P391 Collect spillage.

#### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

ALKANES, C14-17, CHLORO 60-100%

CAS number: 85535-85-9 EC number: 287-477-0 REACH registration number: 01-

2119519269-33-xxxx

M factor (Acute) = 100 M factor (Chronic) = 1

Classification

Lact. - H362

Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments Material is an impregnated filtration medium containing an impregnate consisting of 90% C14-

C17 Chloroalkanes and 10% Organic phosphonate esters.

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

General information Show this Safety Data Sheet to the medical personnel.

**Inhalation** Unlikely route of exposure as the product does not contain volatile substances. If throat

irritation or coughing persists, proceed as follows. Get medical attention. Show this Safety

Data Sheet to the medical personnel.

Ingestion Move affected person to fresh air and keep warm and at rest in a position comfortable for

breathing.

Skin contact Rinse immediately with plenty of water. Remove contaminated clothing.

Eye contact Rinse immediately with plenty of water. Continue to rinse for at least 10 minutes. Get medical

attention if any discomfort continues.

#### 4.2. Most important symptoms and effects, both acute and delayed

**Inhalation** No specific symptoms known.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Prolonged contact may cause redness, irritation and dry skin.

**Eye contact** Visual disturbances, including blurred vision.

## 4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations.

#### **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

## 5.2. Special hazards arising from the substance or mixture

**Specific hazards** The product is not flammable.

Hazardous combustion

products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2). Hydrogen chloride (HCI).

## 5.3. Advice for firefighters

Protective actions during

firefighting

No specific firefighting precautions known.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

#### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective gloves. Avoid contact with eyes and prolonged skin contact.

#### 6.2. Environmental precautions

Environmental precautions Avoid discharge to the aquatic environment. Collect and dispose of spillage as indicated in

Section 13.

## 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up**No specific clean-up procedure recommended.

#### 6.4. Reference to other sections

#### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

**Usage precautions** No specific recommendations.

# 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in a cool and well-ventilated place.

Storage class Unspecified storage.

# 7.3. Specific end use(s)

# SECTION 8: Exposure Controls/personal protection

## 8.1. Control parameters

## ALKANES, C14-17, CHLORO (CAS: 85535-85-9)

**DNEL** Industry - Inhalation; Long term systemic effects: 6.7 mg/m³

Industry - Dermal; Long term systemic effects: 47.9 mg/kg/day Consumer - Oral; Long term systemic effects: 0.58 mg/kg/day Consumer - Inhalation; Long term systemic effects: 2.0 mg/m³ Consumer - Dermal; Long term systemic effects: 28.75 mg/kg/day

PNEC - Fresh water; 0.001 mg/l

- Marine water; 0.0002 mg/l

- STP; 80 mg/l

Sediment (Freshwater); 5 mg/kgSediment (Marinewater); 1 mg/kg

- Soil; 10.5 mg/kg

#### 8.2. Exposure controls

#### Protective equipment





Appropriate engineering

controls

No specific ventilation requirements.

Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates

eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if

a risk assessment indicates skin contact is possible.

**Hygiene measures** Wash hands at the end of each work shift and before eating, smoking and using the toilet.

**Respiratory protection** Respiratory protection not required.

## **SECTION 9: Physical and Chemical Properties**

## 9.1. Information on basic physical and chemical properties

Appearance Barrier Curtain

Odour Mild.

#### 9.2. Other information

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Not relevant.

## 10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

Under normal conditions of storage and use, no hazardous reactions will occur.

# 10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

# 10.6. Hazardous decomposition products

Hazardous decomposition

Fire creates: Carbon dioxide (CO2). Carbon monoxide (CO). Hydrogen chloride (HCI).

products

#### SECTION 11: Toxicological information

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## **BARRIER CURTAIN**

## 11.1. Information on toxicological effects

**Toxicological effects**No information available.

**Inhalation** Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at

ambient temperature.

Ingestion Swallowing concentrated chemical may cause severe internal injury.

Skin contact Skin irritation should not occur when used as recommended.

**Eye contact** May cause temporary eye irritation.

## SECTION 12: Ecological Information

**Ecotoxicity** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

12.1. Toxicity

**Toxicity** Very toxic to aquatic life with long lasting effects.

## Ecological information on ingredients.

## ALKANES, C14-17, CHLORO

Acute aquatic toxicity

**LE(C)**<sub>50</sub>  $0.001 < L(E)C50 \le 0.01$ 

M factor (Acute) 100

Chronic aquatic toxicity

M factor (Chronic) 1

## 12.2. Persistence and degradability

Persistence and degradability The product is not readily biodegradable.

## 12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

**Mobility** The product is insoluble in water.

#### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

This product does not contain any substances classified as PBT or vPvB.

assessment

## 12.6. Other adverse effects

## **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

**Disposal methods**Dispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority.

## **SECTION 14: Transport information**

## 14.1. UN number

UN No. (ADR/RID) 3077

UN No. (IMDG) 3077 UN No. (ICAO) 3077 UN No. (ADN) 3077

## 14.2. UN proper shipping name

Proper shipping name (ADR/RID)

Environmentally Hazardous Substance, Solid, n.o.s. (contains C14-17 Chlorinated Paraffins)

(....

Proper shipping name (IMDG) Environmentally Hazardous Substance, Solid, n.o.s. (contains C14-17 Chlorinated Paraffins)

Proper shipping name (ICAO) Environmentally Hazardous Substance, Solid, n.o.s. (contains C14-17 Chlorinated Paraffins)

Proper shipping name (ADN) Environmentally Hazardous Substance, Solid, n.o.s. (contains C14-17 Chlorinated Paraffins)

#### 14.3. Transport hazard class(es)

ADR/RID class 9

ADR/RID classification code M7

ADR/RID label 9

IMDG class 9

ICAO class/division 9

ADN class 9

## Transport labels



## 14.4. Packing group

ADR/RID packing group III
IMDG packing group III
ADN packing group III

ICAO packing group

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



# 14.6. Special precautions for user

**EmS** F-A, S-F

ADR transport category 3

Emergency Action Code 2Z

Hazard Identification Number 90

(ADR/RID)

Tunnel restriction code (E)

# 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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#### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations Control of Substances Hazardous to Health Regulations 2002 (as amended).

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment

Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

**EU legislation** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18

December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of

Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as

amended).

Guidance Workplace Exposure Limits EH40.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.

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

Road.

ADN: European Agreement concerning the International Carriage of Dangerous Goods by

Inland Waterways.

DNEL: Derived No Effect Level.

GHS: Globally Harmonized System.

ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

LC₅o: Lethal Concentration to 50 % of a test population.

LD₅o: Lethal Dose to 50% of a test population (Median Lethal Dose).

PBT: Persistent, Bioaccumulative and Toxic substance.

PNEC: Predicted No Effect Concentration.

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation

(EC) No 1907/2006.

RID: European Agreement concerning the International Carriage of Dangerous Goods by

Rail.

SVHC: Substances of Very High Concern.

vPvB: Very Persistent and Very Bioaccumulative. EC<sub>50</sub>: 50% of maximal Effective Concentration.

UN: United Nations.

General information For further information or advice contact our technical service line during regular office hours

on 0121-524-1000.

This safety data sheet has been compiled for the product as supplied, properties and hazards

will vary if the product is diluted with water or mixed with any other material.

Revision date 04/11/2016

Revision 5

SDS status

Supersedes date 25/02/2015

Signature Health and Safety Manager

Approved.

**Hazard statements in full** H362 May cause harm to breast-fed children.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.