Safety Data Sheet according to regulation (EG) No. 1907/2006

PALIO TRADE by Karndean

Section 1: Identification of the substance/mixture and of the company/undertaking

Product Name: Palio Trade by Karndean Scotia
Revision Date: 07.08.20
Print Date:

1.1 Product identifier

Product Names: Scotia Sicilia, Scotia Sardinia, Scotia Tavolara, Scotia Torcello, Scotia Budelli, Scotia Lampione, Scotia Linosa, Scotia Palmaria, Scotia Levanzo, Scotia Vivara, Scotia White

Additional information

Voluntary safety information following the Safety Data Sheet format according to Regulation (EC) No.1907/2006 (REACH). Products: Molded parts of varying size and geometry. The products are not subject to Regulation (EC) no. 1272/2008 [CLP] and do not require labelling according this regulation.

1.2 Relevant identified uses of the substance or mixture and uses advised against use of the substance/mixture:

Interior finishing of buildings
Professional and private use

1.3 Details of the supplier of the data sheet

Palio Trade by Karndean
Crab Apple Way
Evesham
Worcestershire
WR11 1GP
Telephone: 01386 820110
Email: info@paliooring.com

1.4 Emergency phone number:

01386 820200

Section 2: Hazardous identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]:

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements:
Labelling according to Regulation (EC) No. 1272/2008 [CLP]:

According to EC directives or the corresponding national regulations the product does not have to be labelled.

2.3 Other hazards
Adverse physicochemical effects:

Specific end use(s): Electrostatically charged moldings can become a source of ignition for other materials or damage electronic components. See section 7.1

Adverse human health effects and symptoms:

Mechanical processing may cause dust. May cause eye irritation. May cause respiratory irritation. May cause skin irritation. Damage can be caused through mechanical influence of the product. Observe the risk of injury at sharp cutting edges.

Adverse environmental effects:

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

Section 3: Composition/Information on ingredients

3.2 Mixtures:

Extruded Profile manufactured of foamed PVC with a PP-film.

Section 4: First-aid measures

4.1 Description of first aid measures
General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended. Mechanical processing may cause dust.

Following inhalation:

Particulates and dust: May cause respiratory irritation. Provide fresh air.

In case of skin contact:

Particulates and dust: May cause skin irritation. After contact with molten product, cool skin area rapidly with cold water. Burns caused by molten material must be treated clinically.

After eye contact:

Particulates and dust: Do not subject to friction. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs:
Get medical advice/attention.

After ingestion:

Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

No known symptoms to date.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media:

Water spray jet, alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO_2).
Co-ordinate fire-fighting measures to the fire surroundings.

5.2 Special hazards arising from the substance or mixture

The melted product can cause severe burns. softening point: See section 9.

Hazardous combustion products:

In case of fire may be liberated: carbon oxides (COx); Hydrogen chloride (HCl), carbon black, Gases/vapours, toxic.

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.
Suppress gases/vapours/mists with water spray jet.

5.4 Additional information

Suppress gases/vapours/mists with water spray jet. Move undamaged containers from immediate hazard area if it can be done safely. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel
Personal precautions:

Mechanical processing may cause dust. Avoid dust formation. Avoid breathing dust. Keep away from heat. The melted product can cause severe burns. Remove persons to safety.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection. See section 8.

6.1.2 For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2 Environmental precautions

Do not allow to enter into surface water or drains.
Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up
For containment:

Take up mechanically.

For cleaning up:

Water (with cleaning agent)

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

6.5 Additional information

Use appropriate container to avoid environmental contamination.

Section 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Advices on safe handling:

Mechanical processing may cause dust. Avoid breathing dust. Wear personal protection equipment (refer to section 8). Additional protective measures: Take precautionary measures against static discharge. Electrostatically charged moldings can become a source of ignition for other materials or damage electronic components.

Fire prevent measures:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

Environmental precautions:

Discharge into the environment must be avoided.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Wash hands and face before breaks and after work and take a shower if necessary. Wash contaminated clothing before reuse. Apply skin care products after work.

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:

Store dry. Store in a well-ventilated place. Protect from sunlight.

Requirements for storage rooms and vessels:

No special measures are necessary.

Hints on storage assembly:

No special measures are necessary.

7.3 Specific end use(s)
Recommendation:

Interior finishing of buildings.

Section 8: Exposure controls and personal protective equipment

8.1 Control parameters:

8.1.1 Occupational exposure limits/biological limit values:

not appicable.

Limit value type (country)	Substance name	1) Long-term occupational exposure limit value 2) Short-term occupational exposure limit value 3) Instantaneous value 4) Monitoring and observation processes 5) Remark
WEL (GB)	Polyvinyl chloride CAS No.: 9002-86-2	1) 10 mg/m³ 5) (Dust limit value, inhalable fraction)
WEL (GB)	Polyvinyl chloride CAS No.: 9002-86-2	1) 4 mg/m³ 5) (Dust limit value, respirable fraction)
WEL (GB)	Dust, inhalable fraction	1) 10 mg/m³ 5) (Dust limit value, inhalable fraction)
WEL (GB)	Dust, respirable fraction	1) 4 mg/m³ 5) (Dust limit value, respirable fraction)

8.1.2 Biological limit values

No data available.

8.1.3 DNEL-/PNEC-values

No data available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. Provide adequate ventilation as well as local exhaustion at critical locations.

8.2.2 Personal protection equipment

Eye/face protection:

Recommendation: Eye glasses with side protection (EN 166)

Skin protection:

Recommendation: Protective gloves against mechanical risks (EN 388)

Respiratory protection:

Usually no personal respirative protection necessary. Take care of an adequate ventilation during application and curing.
If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Particle filter device (EN 143), Filtering device (full mask or mouthpiece) with filter: P2/P3

Other protection measures:

Wear anti-static footwear and clothing

8.2.3 Environmental exposure controls

No data available.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: solid (molded parts) Colour: different, depending on coloration
Odour: almost odourless

Safety relevant basic data

Parameter		at	Method	Remark
pH	Not applicable			
Melting point	> 100°C			
Freezing point	Not applicable			
Initial boiling point and boiling range	Not applicable			
Decomosition temperature	> 180°C			Slow decomposition
Flash point	Not applicable			
Evaporation rate	Not applicable			
Auto-ignition temperature	Not applicable			
Upper/lower flammability or explosisive limits	Not applicable			
Vapour pressure	Not applicable			
Vapour density	Not applicable			
Density	> 0.5 g/cm³	20°C		
Bulk density	Not applicable			

Water solubility	Insoluble			
Partitition coefficient: n-octanol/water	Not applicable			
Dynamic viscosity	Not applicable			
Kinematic viscosity	Not applicable			
Solubility(ies)				Soluble in: Cyclohexanone, Tetrahydrofurane, 1,2 Dichlorethan

9.2 Other information

No data available.

Section 10: Stability and reactivity

10.1 Reactivity

See section 10.3

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Keep away from heat. Decompostion takes place from temperatures above: approx. 180 °C

10.5 Incompatible materials

Ester; Ketone; halogenated hydrocarbons; Oxidising agent, strong

10.6 Hazardous decomposition products

No known hazardous decomposition products.In case of fire may be liberated: Hydrogen chloride (HCl); carbon oxides (COx); carbon black; Gases/vapours, toxic.

Further information

No data available.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity:

Based on available data, the classification criteria are not met.

Acute dermal toxicity:

Based on available data, the classification criteria are not met.

Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

Serious eye damage/irritation:

Based on available data, the classification criteria are not met.
Particulates and dust: May cause eye irritation.

Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.
Particulates and dust: May cause sensitisation especially in sensitive humans.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.
Particulates and dust: May cause respiratory irritation.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

Additional information:

No data available.

Section 12: Ecological information

12.1 Toxicity
Aquatic toxicity:

Based on available data, the classification criteria are not met.

12.2 Persistence and degradability
Biodegradation:

In accordance with the required stability the product is poorly biodegradable.

12.3 Bioaccumulative potential
Accumulation / Evaluation:
No indication of bioaccumulation potential.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

No data available.

Section 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment options

Appropriate disposal / Product:

Disposal according to applicable legislation. For waste disposal consult the local authorized waste disposal company.

Appropriate disposal / Package:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal. Handle contaminated packages in the same way as the substance itself.Completely emptied packages can be recycled.

Other disposal recommendations:

The allocation of waste code numbers / waste names must be carried out in accordance with the European Waste Catalogue (EWC). Collect in closed and suitable containers for disposal. Do not allow to enter into surface water or drains.

13.2 Additional information

Waste for disposal is to be classified and labelled.

Section 14: Transport information

No dangerous good in sense of these transport regulations.

- Land transport (ADR/RID) -
- Inland waterway (ADN)
- Sea transport (IMDG)
- Air transport (ICAO-TI/IATA-DGR)

14.1 UN-No:

Not relevant

14.2 UN proper shipping name

Not relevant

14.3 Transport hazard class(es)

Not relevant

14.4 Packing group

Not relevant

14.5 Environmental hazards

Not relevant

14.6 Special precautions for user

Not relevant

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

Not applicable

Additional information:

No data available.

Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1 EU legislation
Other EU regulations:

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risksrelated to chemical agents at work Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.1.2 National regulations

No data available.

15.2 Chemical Safety Assessment

Test not required.

Section 16: Other information

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions. The information provided is believed to be true and correct. Karndean Designflooring shall be held free of liability for any changes or determinations made which may affect the enclosed information. Safe working conditions and practices should be used when handling, installing, maintaining, and disposing of this product. The information and recommendations contained in this Material Safety Data Sheet have been compiled from Sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No Warranty, guarantee or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance under any UK government laws.