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Material Safety Data Sheet 1.0
28/11/2018

Section 1 Identification of the substance and company 1.1 Product Identifier

Product Identifier

Product Name - Signature AR

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

Intended use - Polymer, PA6, for industrial processing only

1.3. Details of the supplier of the safety data sheet

RCR Flooring Products Ltd, Mill Close, Lee Mill Industrial Estate, Ivybridge, Devon PL21 9GL

Tel: +44 1752 895288 | Fax: +44 1752 690535

1.4 Emergency telephone number

Centro antiveneni: Pavia 0382/24444; Milano 02/66101029; Bergamo 800883300; Firenze 055/7947819; Roma Gemelli 06/3054343; Roma Umberto 06/49978000; Napoli 081/7472870

Section 2 Hazards identification.

2.1 Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

Hazard classification and indication: --

2.2 Label elements

Labelling unnecessary in accordance with Regulation (CE) 1272/2008 - Annex I - 1.3.4.

Hazard pictograms: --

Signal words: --

Hazard statements: --

Precautionary statements: --

2.3 Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%

Section 3 composition/information on ingredients

3.1 Substances

Information not relevant

3.2 Mixtures

The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions Regulation (EU) 1272/2009 (CLP) (and subsequent amendments and supplements) in such quantities as to require the statement.

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Section 4 First aid measures

4.1 Description of first aid measures

Not specifically necessary. Observance of good industrial hygiene is recommended.

4.2 Most important symptoms and effects, both acute and delayed

No episodes of damage to health ascribable to the product have been reported.

4.3 Indication of any immediate medical attention and special treatment needed

Information not available.

Section 5 Firefighting measures

5.1 Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular

5.2 Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breath combustion products.

5.3 Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer systems. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

6.2 Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3 Methods and material for containment and cleaning up

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with provisions set forth in point 13.

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6.4 Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

Section 7 Handling and storage

7.1 Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

7.2 Conditions for safe storage, including any incompatibilities

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

7.3 Specific end use(s)

Information not available

Section 8 Exposure controls/personal protection

8.1 Control parameters

Information not available

8.2 Exposure controls

Comply with the safety measures usually applied when handling chemical substances.

HAND PROTECTION

None required.

SKIN PROTECTION

None required.

EYE PROTECTION

None required.

RESPIRATORY PROTECTION

None required, unless indicated otherwise in the chemical risk assessment.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with the environmental standards

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Solid	Vapour density:	N/A
Colour:	Black	Relative density:	N/A
Odour:	Odourless	Solubility:	insoluble
Odour threshold:	N/A	Partition coefficient: n-octanol/water:	N/A
pH:	N/A	Auto-ignition temperature:	N/A
Melting point/freezing point:	222 °C	Decomposition temperature:	N/A
Initial boiling point:	N/A	Viscosity:	N/A
Boiling range:	N/A	Explosive properties:	N/A
Flash point:	400 °C	Oxidising properties:	N/A
Evaporation rate:	N/A		
Flammability (solid, gas):	N/A		
Lower inflammability limit:	N/A		
Upper inflammability limit:	N/A		
Lower explosive limit:	N/A		
Upper explosive limit:	N/A		
Vapour pressure:	N/A		

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Section 10 Stability and reactivity

10.1 Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability

The product is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4 Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5 Incompatible materials

Information not available.

10.6 Hazardous decomposition products

Information not available.

Section 11 Toxicological information

11.1 Information on toxicological effects

According to currently available data, this product has yet produced health damaged. Anyway, it must be handled according to good industrial practices.

Section 12 Ecological information

12.1 Toxicity

Information not available

12.2 Persistence and degradability

Information not available.

12.3 Bioaccumulative potential

Information not available.

12.4 Mobility in soil

Information not available.

12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6 Other adverse effects

Information not available.

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Section 13 Disposal considerations

13.1 Waste treatment methods

Resue, when possible. Heat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Solid residues may be suitable for disposal in an authorised landfill site.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

Section 14 Transport information

14.1 UN number

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Information not relevant

Section 15

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

Saveso category	None
Restrictions relating to the product or contained substances pursuant to Annex II to EC Regulation 1907/2006	None
Substances in Candidate List (Art. 59 REACH)	None
Substances subject to authorisation (Annex XIV REACH)	None
Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012	None
Substances subject to the Rotterdam Convention	None
Substances subject to the Stockholm Convention	None

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15.2 Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains

Section 16 Other information

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in EIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHA: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit

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16.0 Other information

- TWA: Time-weighted average exposure limit
- Voc: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
2. Regulation (EU) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.