

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/6

Pumaflow ESD Aggregate

Revision 1

Revision date 2018-12-17

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

1.1. Product identifier

Product name	Pumaflow ESD Aggregate
--------------	------------------------

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

Description	Restricted to professional users. Component of a Three Pack Epoxy Floor Topping.
-------------	---

1.3. Details of the supplier of the safety data sheet

Company	Resdev Ltd
Address	Pumaflor House Ainleys Industrial Estate Elland HX5 9JP
Web	www.resdev.co.uk
Telephone	+44 (0)1422 379131
Fax	+44 (0)1422 370943
Email	info@resdev.co.uk
Email address of the competent person	info@resdev.co.uk

1.4. Emergency telephone number


Emergency telephone number	+44 (0)1422 379131 9.00am to 5.00pm Mon - Fri
----------------------------	--

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	Xn; R20 Symbols: Xn: Harmful.
Main hazards	Harmful by inhalation.
2.1.2. Classification - EC 1272/2008	STOT RE 1: H372;

2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .
Precautionary Statement: Prevention	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product.

Pumaflo ESD Aggregate

Revision 1
Revision date 2018-12-17

2.2. Label elements

Precautionary Statement: Response	P314 - Get medical advice/attention if you feel unwell.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to local and national regulations

2.3. Other hazards

Other hazards	No data available.
---------------	--------------------

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Silica Flour		14808-60-7			20 - 30%	Xn; R20	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Silica Flour		14808-60-7			20 - 30%	STOT RE 1: H372;	

Description

	Three Pack Epoxy Floor Topping.
--	---------------------------------

Further information

	If REACH registration numbers do not appear the substance is either exempt from registration, does not meet the minimum volume threshold for registration, or the registration date has not yet come due. Refer to section 16 for full text of each relevant R-phrases and H-phrases.
--	---

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	No data available.
Eye contact	No data available.
Skin contact	No data available.
Ingestion	No data available.

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

Inhalation	No data available.
Eye contact	No data available.
Skin contact	No data available.
Ingestion	No data available.

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

Inhalation	No special first aid measures. Remove to fresh air and consult a physician.
Eye contact	Wash with copious quantities of water.
Skin contact	No special first aid measures necessary.
Ingestion	Non-toxic.

General information

	No actions are to be avoided, nor are there any special instructions for rescuers.
--	--

SECTION 5: Firefighting measures

5.1. Extinguishing media

	No data available.
--	--------------------

Pumaflow ESD Aggregate

Revision 1

Revision date 2018-12-17

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

No data available.

Further information

Other Information

Does not burn, No hazardous releases in case of fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid airborne dust generation. In case of exposure to airborne dust concentrations exceeding regulatory limits, wear a personal respirator in compliance with national legislation.

6.2. Environmental precautions

No special requirements.

6.3. Methods and material for containment and cleaning up

Avoid dry sweeping and use water spraying or vacuum cleaning systems to prevent airborne dust generation.

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid airborne generation.
Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/Precautions.
Ensure abatement of dust produced during the loading of silos.
Keep containers closed and store/handle bagged products so as to prevent accidental bursting.

7.3. Specific end use(s)

The identified uses for this product are detailed in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The workplace MEL (maximum Exposure Limit) for respirable crystalline silica dust is 0.3 mg/m³ in the United Kingdom, measured as an 8 hour TWA (Time Weighted Average). However, the Health and Safety Executive believes it should now be reasonable practicable for all industry sectors to control respirable crystalline silica to 0.1 mg/m³ (8 hour TWA).

8.2. Exposure controls



Eye / face protection

Provide appropriate local exhaust ventilation in places where dust is generated. Control of occupational exposure may also be achieved by enclosing plant and equipment, by isolating personnel from dusty areas and by ensuring good standards of ventilation in the workplace.

Wear safety glasses with side shields or goggles to protect the eyes. In high dusty environments wear tightly fitting goggles to avoid eye irritation or injury.

Pumaflow ESD Aggregate

Revision 1

Revision date 2018-12-17

8.2. Exposure controls

Respiratory protection	In case of exposure to airborne dust concentrations exceeding regulatory limits, wear a personal respirator that complies with the requirements of national legislation.
8.2.3. Environmental exposure controls	No special requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid
Colour	Black
Odour	Odourless
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	No data available

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

	No data available.
--	--------------------

10.2. Chemical stability

	Chemically stable, no particular incompatibility.
--	---

10.3. Possibility of hazardous reactions

	No data available.
--	--------------------

10.4. Conditions to avoid

	No data available.
--	--------------------

10.5. Incompatible materials

	No data available.
--	--------------------

Pumaflow ESD Aggregate

Revision 1
Revision date 2018-12-17

10.6. Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No data available.

11.1.4. Toxicological Information

No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

No data is available on this product.

Partition coefficient

Pumaflow ESD Aggregate No data available

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Can be landfilled in compliance with local regulations. The material should be buried to prevent dust being picked up by the wind. Where possible, recycling is preferable to disposal. The substance has not been included in the EU Waste Catalogue.

SECTION 14: Transport information

14.1. UN number

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

Pumaflo ESD Aggregate

Revision 1

Revision date 2018-12-17

14.6. Special precautions for user

	Use in conjunction with Manufacturers recommended guidelines.
--	---

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	The product is not classified as dangerous for carriage.
--	--

	No data available.
--	--------------------

SECTION 15: Regulatory information

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

	"COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC".
--	--

	"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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC".
--	---

15.2. Chemical safety assessment

	For advice on essential measures see sections 7 and 8 of this safety data sheet.
--	--

SECTION 16: Other information

Other information

Revision	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 information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.
	<p>This document differs from the previous version in the following areas:.</p> <p>2 - Precautionary Statement: Disposal.</p> <p>3 - Further information.</p> <p>7 - 7.3. Specific end use(s).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Flash point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Freezing Point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Odour threshold).</p> <p>9 - 9.2. Other information (Gas group).</p> <p>9 - 9.2. Other information (Benzene Content).</p> <p>9 - 9.2. Other information (Product Subcategory).</p> <p>9 - 9.2. Other information (Lead content).</p> <p>16 - Maximum content of VOC.</p>
Text of risk phrases in Section 3	R20 - Harmful by inhalation.
Text of Hazard Statements in Section 3	STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .

General information

	This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy.
--	--