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

1.1 1.1 Product identifier

Trade name: Filler DT 081-1
Substance name: Ashes (Residues) Cenospheres
REACH Registration Number: 01-2119563688-21-XXXX
CAS-No.: 93924-19-7
EC-No.: 300-212-6

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

Plastic products: Toys
Plastic products: Flooring
Building and construction work
Manufacture of motor vehicles
Manufacture of electronic components
Treatment and coating of metals
Production of abrasive products
Manufacture of plastics products
Manufacture of rubber products
Manufacture of glues
Manufacture of paints, varnishes and similar coatings, printing
ink and mastics
Manufacture of man-made fibres
Manufacture of textiles
Fillers
Paint additive
Abrasive
Sewage treatment
Water supply
Wastewater management
Water Treatment
Sewage treatment

1.3 Details of the supplier of the safety data sheet

Company:
OBO-Werke GmbH
Am Bahnhof 5
31655 Stadthagen
Germany

Telephone: ++49 (0)5721/7801-0 / Telefax: ++49 (0)5721/7801-86

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.



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according to Commission Regulation (EU)
No 2015/830
Filler DT 081-1

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2.2 Label elements
Labelling (REGULATION (EC) No 1272/2008)
Not a hazardous substance or mixture.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name: Ashes (Residues) Cenospheres
EC-No.: 300-212-6

Components

Remarks: No hazardous ingredients

SECTION 4: First aid measures

4.1 Description of first aid measures

If inhaled: Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
If symptoms persist, call a physician.

In case of skin contact: Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.

In case of eye contact: Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.

If swallowed: Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed
None known.

4.3 Indication of any immediate medical attention and special treatment needed
No data available.



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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: No hazardous combustion products are known.

5.3 Advice for firefighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Further information: Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid dust formation.

6.2 Environmental precautions

Environmental precautions: No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Sweep up and shovel.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Not applicable

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: For personal protection see section 8. No special handling advice required.

Advice on protection against fire and explosion: Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

Hygiene measures: General industrial hygiene practice.



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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:

Keep container tightly closed in a dry and well-ventilated place.

Advice on common storage:

No special restrictions on storage with other products.

Storage class (TRGS 510):

13, Non Combustible Solids
11, Combustible Solids

Further information on storage stability:

No decomposition if stored and applied as directed.

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Ashes (Residues) Cenospheres	Workers	Inhalation	Short-term exposure, Acute effects	3 mg/m ³
	Workers	Inhalation	Long-term exposure, Local effects	0,113 mg/m ³
	Workers		Short-term exposure, Local effects	3 mg/m ³

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Ashes (Residues) Cenospheres	Fresh water	2 mg/l
	Marine water	0,2 mg/l
	Sewage treatment plant	100 mg/l
	Soil	333,3 mg/kg



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8.2 Exposure controls

Personal protective equipment

Eye protection: Safety glasses
Hand protection Remarks: For prolonged or repeated contact use protective gloves.
Skin and body protection: Protective suit
Respiratory protection: No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: coarse powder
Colour: grey
Odour: not significant
pH: 6,5 - 6,9
Melting point/range: 1.260 - 1.560 °C
Flash point: does not flash
Flammability (solid, gas): Will not burn
Upper explosion limit / Upper flammability limit: none
Lower explosion limit/ Lower flammability limit: none
Density: 0,7 g/cm³
Bulk density: 400 kg/m³ (20 °C)
Solubility(ies)
Water solubility: < 0,068 g/l
Auto-ignition temperature: none

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reaction: No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid: Not applicable
No data available

10.5 Incompatible materials

Materials to avoid: Not applicable



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10.6 Hazardous decomposition products
No data available

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No. 1272/2008

Acute toxicity

Product:

Acute oral toxicity: No data available
Acute inhalation toxicity: not determined
Acute dermal toxicity: Not applicable

Skin corrosion/irritation

Product:

Not applicable

Serious eye damage/eye irritation

Product:

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

Respiratory or skin sensitisation

Product:

No sensitisation effects are known

11.2 Further information

Product:

No data available

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish: Aquatic toxicity is unlikely due to low solubility.
Toxicity to daphnia and other aquatic invertebrates: Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

12.2 Persistence and degradability

Product:

Biodegradability: The methods for determining biodegradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available



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12.5 Results of PBT and vPvB assessment Product:

Assessment: Not applicable

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assesment: The substance/mixture doe not contain components considered to have endocrine disrupting properties according to REACH Article 57/F) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1 % or higher.

12.7 Other adverse effects:

Product:

Additional ecological information: There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Empty remaining contents.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

14.1 UN number or ID number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks: Not classified as dangerous in the meaning of transport regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.



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SECTION 15: Regulatory information

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

REACH – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII):

Not applicable

REACH – Candidate List of Substances of Very High Concern for Authorization (Article 59):

Not applicable

REACH-List of substances subject to authorization (Annex XIV):

Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer:

Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast):

Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals:

Not applicable

PIC Ordinance, ChemPICO (814.82) Ordinance on Protection against Major Accidents:

Not applicable

Threshold quantity according to Major Accidents Ordinance (MAO 814.012):

Not applicable

Volatile organic compounds:

Law on the incentive tax for volatile organic compounds (VOCV) no VOC duties

Directive 2010/75/EU of 24 November 2010 on industrial emissions

(integrated pollution prevention and control):

Not applicable

15.2 Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

As no toxicological hazard was identified no human-related (worker/consumer) exposure assessment and risk characterization was performed.



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SECTION 16: Other information

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

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 given 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.