

Material Safety Data Sheet

Issue date: Jan. 4th,2024

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

1.1 Product identifier

Trade name: Gas Filter Canister, Large/Gas Filter Canister, Small

Model: R510-31, R510-31S

Registration number: Data not available

1.2 Relevant identifier uses of the substance or mixture and uses advised against on application of the substance/mixture: Gas Filter Canister

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

RWD Life Science Co. Shenzhen 518000, Guangdong, P.R. China

Only Representative/other EU contact point:No specific country, data not available.

Further information obtainable from RWD Life Science Co.

1.4 Emergency telephone number

General in EU

Tel:112(Available 24 hours a day)

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to regulation(EC)1272/2008:

The product is not classified according to CLP regulation.

Classification system:

The classification is according to the latest edition of Regulation 1272/2008, and extended by company and literature data.

2.2 Label elements

Labeling according to Regulation regulation(EC)1272/2008:Not applicable.

Hazard pictograms: Not applicable.

Signal word: Not applicable.

Hazard statements: Not applicable.

Precautionary statement: Not applicable.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

Section 3: Composition/information on ingredients

3.1 Chemical characterization: Mixture

Description:

Mixture of the substances listed below with nonhazardous additions; For the wording of the listed risk phrases refer to section 16.

Component:

CAS No.:7440-44-0 EC No.:231-153-3	Charcoal	64.34%
CAS No.:9002-88-4 EC No.:618-339-3	Polyethylene	33.54%
CAS No.:25038-59-9 EC No.:607-507-1	Polyethylene terephthalate	0.84%
CAS No.:24937-78-8 EC No.:607-457-0	Ethylenevinylacetate copolymer	0.77%
CAS No.:65996-61-4 EC No.:265-995-8	Pulp, cellulose	0.34%
CAS No.:25068-38-6 EC No.:500-033-5 Index No.:603-074-00-8	Epoxy resin(number average molecular weight≤700) ⚠Skin Irrit.2, H315; Skin Sens.1, H317; Eye irrit.2, H319; ⚠Aquatic Chronic 2,H411	0.09%
CAS No.:9009-54-5	Polyurethane	0.08%

Section 4: First aid measures

4.1 Description of first aid measures

General advice: No special measures required.

After inhalation: Supply with fresh air. Call doctor/physician if you feel unwell.

After skin contact: No special measures required. If skin irritation happens, and get medical advice/attention.

After eye contact:

Rinse eyes with water. If eye irritation persists: Get medical advice/attention.

After swallowing: Rinse out mouth with water. Call for doctor/physician if you feel unwell.

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

There are not known symptoms or effects.

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

No further relevant information available.

Section 5: First aid measures

5.1 Extinguishing agents:

Suitable extinguishing agents:

Dry chemical, alcohol-resistant foam, powder, carbon dioxide and water spray.

5.2 Special hazards arising from the substance or mixture:

May produce irritant/allergic gas under fire.

5.3 Advice for firefighters

Protective equipment: Wear fully protective suit; Mouth respiratory protective device.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Cut off leakage source and collect leakage; Ensure good ventilation; Use respiratory protective device against the effects of dust; Avoid breath the dust.

6.2 Environmental precautions:

Do not allow large quantities of the product to enter sewers/surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically; Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections:

See section 7 for information on safe handling; See section 8 for information on personal protection equipment; See section 13 for disposal information.

Section 7: Handling and storage

7.1 Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace; Prevent formation of dust; Use respiratory protective device against the effects of dust.

Information about fire and explosion protection:

Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any non-compatibility

Requirements to be met by storerooms and receptacles:

Store in a dry, cool and well-ventilation place.

Information about storage in one common storage facility:

Keep away from acid and heat source.

Further information about storage conditions:

Do not exposure under the sun for long time.

7.3 Specific end use(s): Gas Filter Canister.

Section 8: Exposure controls /personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs: Data not available.

PNECs: Data not available.

Additional information: the lists valid during the marking were used as basis.

8.2 Exposure controls

Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face before breaks and at the end of work; See section 7 for information about design of technical facilities.

Personal protective equipment

Respiration protection: Dust mask recommended.

Protection of hands: No especial protection of hands required.

Eye protection: No special eye protection required.

Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:

Form	Solid
Color	Not available
Odor	Odorless
Odor threshold	Not applicable
pH-value	Not determined
Change in condition:	
Melting point/melting	Not determined
Boiling point and	Not determined
Freezing point	Not determined
Flash point	Not applicable
Flammability(solid, gas)	Not flammable solid
Decomposition	Not determined
Self-ignition	Product is not self-igniting
Danger of explosion	Product does not present an explosion hazard
Explosion limits:	
Lower:	Not explosive
Upper:	Not explosive
Oxidizing properties	No oxidability
Vapor pressure	Not determined
Density	Not determined
Relative density	Not determined
Vapor density	Not determined
Evaporation rate	Not determined
Solubility in/Miscibility with:	
Water	Not soluble in water
Partition coefficient	Not determined
Viscosity	
Dynamic	Not applicable
kinematic	Not applicable

9.2 Other information: Data not available

Section 10: stability and reactivity

- 10.1 Reactivity: No decomposition if used according to specification.
- 10.2 Chemical stability: Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions: No further relevant information available.
- 10.4 Conditions to avoid: High temperature.
- 10.5 Incompatible materials: Acid, strong oxidizing agent and flammable substance.
- 10.6 Hazardous decomposition products: No further relevant information available.

Section 11: Toxicological information

- 11.1 Information on toxicological effects

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

LD/LC50 values relevant for classification:

No animal test has been done for this product.

25068-38-6 Epoxy resin(number average molecular weight $\leq$ 700)		
Rat	LD50-oral	30000mg/kg
	LD50-skin	> 1200mg/kg
Mouse	LD50-oral	20000mg/kg
	LD50-skin	> 1270mg/kg
Rabbit	LD50-skin	> 20ml/kg
Remark: The above data is from literature.		

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eyes damage/irritation:

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

Respiratory or skin sensitization:

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

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.

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

Section 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Not hazardous to aquatic organism.

25068-38-6 Epoxy resin(number average molecular weight $\leq$ 700)	
Short-term toxicity to aquatic invertebrates	EC50(48h)2mg/L
Toxicity to aquatic algae and cyanobacteria	EC50(48h)9mg/L

12.2 Persistence and degradability: Readily biodegradation.

12.3 Bio-accumulative potential: Low bio-accumulation.

12.4 Mobility in soil: Data not available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

12.6 Other adverse effects: No further relevant information available.

12.7 Additional ecological information

General notes: Water hazard class 1 (German regulation)

(Self-assessment): Slightly hazardous for water. Do not allow large quantities of the product to reach ground water, water course or sewage system.

Section 13: Disposal consideration

13.1 Waste treatment methods

Recommendation: Small quantities can be disposed together with household garbage;
Large quantities disposed must be in according to the local regulation.

13.2 Un-cleaned packaging

Recommendation: Dispose of contents/container in according to the local regulation.

Section 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA: Not regulated as dangerous transport goods, not applicable.

14.2 UN proper shipping name

ADR, IMDG, IATA: Not applicable

14.3 Transport hazard class(es) ADR, IMDG, IATA

Class: Not applicable

Label: Not applicable

14.4 Packing group

ADR, IMDG, IATA: Not applicable

14.5 Marine pollution: No

14.6 Special precautions for user: Not applicable

14.7 UN "Model Regulation":-

Section 15: Regulatory information

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

MAK (German Maximum Workplace Concentration): None of the ingredients is listed.

Directive 2012/18/EU

Named dangerous substances- ANNEX I- None of the ingredients is listed.

National regulations.

Water hazard class: water hazard class 1 (German Regulation)(Self-assessment):
Slightly hazardous for water.

Other regulations, limitations and prohibitive regulations

SVHC Candidate list of REACH Regulation Annex XIV Authorization (17/12/2015):

None of the ingredients is listed.

REACH Regulation Annex XVII Restriction (16/2/2016):

None of the ingredients is listed.

REACH Regulation Annex XIV Authorization List (14/8/2014):

None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safe Assessment has not been carried out.

Section 16: Other information

Relevant phrases:

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H411 Toxic to aquatic life with long lasting effects

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

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Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Connection (REACH)

PBT: Persistent, Bio accumulative and Toxic

SVHC: Substance of Very High Concern

Skin Irrit.2: Skin corrosion/irritation, hazard category 2

Eye Irrit.2: Eye damage/irritation, hazard category 2

Skin Sens.1: Respiratory or skin sensitization, hazard category 1

Aquatic Chronic 2: Hazardous to the aquatic environment- chronic toxic, hazard category 2.

LD 50: Lethal dose, 50 percent

EC 50: Concentration of maximal effect, 50 percent

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