

Safety Data Sheet

Quad-Flow

Version 1.0

Effective date: 19-11-2025



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier.

Trade name: Quad-Flow
UFI: 010H-FCQ7-GC89-G3K8

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

Product use: Repair product.

1.3 Details of the Supplier of the safety data sheet:

Company: Vortex Europe GmbH
Glaserstraße 3
D-87 463 Dietmannsried
Germany

1.4 Emergency telephone number:

Company emergency telephone number: +45 5368 1901.
United Kingdom: Contact The National Poisons Information Service (dial 111, 24 h service).

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture according to CLP No 1272/2008/GB CLP:

Skin Irrit. 2; H315, Skin Sens. 1B; H317, Eye Dam. 1; H318, STOT SE 3; H335.

2.2 Label elements CLP No 1272/2008/GB CLP

Hazard pictograms:



Signal word:

Danger

Contains: Cement, Portland, chemicals.

Hazard statements:

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

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Precautionary statements:

General: -

Prevention:

P261 Avoid breathing dust.

P280 Wear protective gloves, eye protection, protective clothing.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor, a POISON CENTER.

Storage: -

Disposal:

P501 Dispose of contents/ container in accordance with national regulations.

Additional information: -

2.3 Other hazards

This mixture contains no PBT or vPvB substances according to REACH No 1907/2006.

This mixture does not contain substances with endocrine disrupting properties in accordance with the criteria laid down in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Product is a mixture.

3.2 Mixture:

CAS/EC No	REACH No	Name	Content %	Classification CLP
14808-60-7 /238-878-4	Excepted registration	Quartz (not respirable)	50-70	Not classified
65997-15-1 / 266-043-4	Excepted registration	Cement, portland, chemicals	20-40	Skin Irrit. 2; H315, Skin Sens. 1B; H317, Eye Dam. 1; H318, STOT SE 3; H335.

See full text of H-phrases in section 16. Occupational limits are listed in section 8 if these are available.

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SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

- General information:** In the case of accident: Contact a doctor or casualty department – bring this safety data sheet with you.
- Inhalation:** If inhaled, remove to fresh air. Get medical attention if irritation persists.
- Skin contact:** Wash skin thoroughly with soap and water. If skin irritation or a rash occurs: Get medical advice/attention.
- Eye contact:** Do not rub eyes. Rinse immediately with plenty of water for at least 15 minutes, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
- Ingestion:** Rinse mouth with water and spit it out. If continued discomfort, seek medical attention.

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

- Causes skin irritation.
- May cause an allergic skin reaction.
- Causes serious eye damage.
- May cause respiratory irritation.

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

Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

Unsuitable extinguishing media:

None known.

5.2 Special hazards arising from the substance or mixture:

The product does not burn.
Extinguishing water that has been in contact with the product can be corrosive.

5.3 Advice for firefighters: Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment, see section 8.
Avoid contact with skin and eyes. Avoid breathing powder/dust.
Avoid dust/powder formation.
Ensure adequate ventilation.

6.2 Environmental precautions:

Avoid discharge to lakes, streams, sewers, etc.

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6.3 Methods and material for containment and cleaning up:

Pick up mechanically. Dispose of in suitable containers for recovery or disposal.

6.4 Reference to other sections:

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:

See section 8 for personal protection.
Avoid direct contact with the product.
Ensure adequate ventilation. Wash hands after handling the product.
Avoid dust formation and breathing dust.
Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms.

7.2 Conditions for safe storage, including any incompatibilities:

Always store in original container.
Keep container tightly closed. Store in a cool, dry and well-ventilated location. Avoid contact with water/moisture.

7.3 Specific end use(s):

This product should only be used for applications described in section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters - Occupational exposure limits EH-40 (Great Britain):

Contained quartz is not respirable.

CAS No	Name	Limits	Comments
-	Dust - total inhalable - respirable	Long-term value (TWA): 10 mg/m ³ Long-term value (TWA): 4 mg/m ³	-

DNEL / PNEC:

8.2 Exposure controls

Appropriate technical measures:

Airborne concentrations must be kept as low as possible. Use for example an exhaust system if the normal air flow in the work room is not sufficient.

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General information / Hygiene measures:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face. Make sure that eyewash and emergency showers are available. Avoid breathing powder/dust. Avoid contact with skin and eyes.

Personal protective equipment:

Only CE-marked personal protection equipment should be used.

Respiratory protection:

In case of inadequate ventilation and dust formation, use respiratory protection with filter P2.

Hand protection:

Wear impervious gloves. EN 374.
Option: Nitrile/Butyle/PVC glove ≥ 480 min.
Thickness: ≥ 0.38 mm.

Eye protection:

Wear tightly safety goggles. EN 166.

Body protection:

Wear appropriate impervious protective clothing.

Measures to avoid environmental exposure:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state:	Solid/powder
Colour:	Product specific
Odour:	Characteristic
Melting point/freezing point:	Not relevant/no data
Boiling point:	Not relevant/no data
Flammability:	Not relevant/no data
Lower and upper explosion limit:	No hazard
Flash point:	Not relevant/no data
Auto-ignition temperature:	Not relevant/no data
Decomposition temperature:	Not relevant/no data
pH:	Not relevant/no data
Kinematic viscosity:	Not relevant/no data
Solubility:	Miscible with water
Partition coefficient n-octanol/water:	Not relevant/no data
Vapour pressure:	Not relevant/no data
Density and/or relative density:	Not relevant/no data
Relative vapour density:	Not relevant/no data
Particle characteristics:	Not relevant/no data

9.2 Other information: None

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SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity:** The product is non-reactive under normal conditions of use, storage and transport.
- 10.2 Chemical stability:** Stable in use and storage conditions as described in section 7.
- 10.3 Possibility of hazardous reactions:**
No dangerous reactions known.
The product hardens to a hard mass in contact with water and moisture.
- 10.4 Conditions to avoid:** Avoid contact with water/moisture.
- 10.5 Incompatible materials:** None known.
- 10.6 Hazardous decomposition products:**
The product is not degraded when used as specified in section 1.

SECTION 11. TOXICOLOGICAL INFORMATION

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

- Acute toxicity:** Not classified.
- Skin corrosion/irritation:** Causes skin irritation.
- Serious eye damage/irritation:** Causes serious eye damage.
- Respiratory or skin sensitization:** May cause an allergic skin reaction.
- Germ cell mutagenicity:** Not classified.
- Carcinogenicity:** Not classified.
- Reproductive toxicity:** Not classified.
- Specific target organ toxicity - single exposure:** May cause respiratory irritation.
- Specific target organ toxicity – repeated exposure:** Not classified.
- Aspiration hazard:** Not classified.

11.2 Information on other hazards:

- Endocrine disrupting properties:**
The product/substance has no endocrine disrupting properties.
- Other information:** -

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SECTION 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity:** Not classified.
- 12.2 Persistence and degradability:** Not relevant for inorganic substances.
- 12.3 Bioaccumulative potential:** No further relevant information available.
- 12.4 Mobility in soil:** No further relevant information available.
- 12.5 Result of PBT and vPvB assessment:** Contains no PBT or vPvB substances according to REACH No 1907/2006.
- 12.6 Endocrine disrupting properties:** The product/substance has no endocrine disrupting properties.
- 12.7 Other adverse effects:** May cause pH changes when mixed with water in aqueous ecological systems.

SECTION 13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods:** Avoid discharge to drain or surface water. Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site. Dispose in a safe manner in accordance with local/national regulations. The coding of a waste stream is based on the application of the product by the consumer.
Option:
- EWC-code:** 10 13 06 particulates and dust (except 10 13 12 and 10 13 13).
- Contaminated packing:** Properly cleaned packaging is disposed of according to packaging material, otherwise for incineration.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous to transport.

	ADR/RID	IMDG/IMO
14.1 UN number or ID number	Not relevant	Not relevant
14.2 UN proper shipping name	Not relevant	Not relevant
14.3 Transport hazard class(es)	Not relevant	Not relevant

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14.4 Packing group	Not relevant	Not relevant
14.5 Environmental hazards – MP EmS:	No Not relevant	No Not relevant
Other informations	LQ: Not relevant Tunnel: Not relevant	LQ: Not relevant Tunnel: Not relevant

14.6 Special precautions for user:

Not relevant.

14.7 Maritime transport in bulk according to IMO instruments:

Not relevant.

SECTION 15. REGULATORY INFORMATION

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

Sources: Current ADR regulations 2025. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013. Regulation (EU) 2016/425 of 9 March 2016 on personal protective equipment. Hazardous Waste (England and Wales) Regulations 2005 (as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC. Seveso directive: 96/82/EC. EC regulation No 2020/878. CLP regulation No 1272/2008. REACH regulation 1907/2006. GB CLP.

Additional information:

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC.

15.2 Chemical safety assessment:

A chemical safety assessment has not been carried out.

SECTION 16. OTHER INFORMATION

Full text of H-phrases as mentioned in section 3:

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Additional information:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Descriptions of possible used abbreviations:

BCF Bioconcentration factor.
BOD Biochemical Oxygen Demand.
CAS Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).
COD Chemical oxygen demand.
DGR Dangerous Goods Regulations (see IATA/DGR).
DNEL Derived No-Effect Level.

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EC50 Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval.

EINECS European Inventory of Existing Commercial Chemical Substances.

ELINCS European List of Notified Chemical Substances.

EmS Emergency Schedule.

ErC50 \equiv EC50: in this method, that concentration of test substance which results in a 50 % reduction in either. growth (EbC50) or growth rate (ErC50) relative to the control.

GHS "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations.

IATA International Air Transport Association.

IATA/DGR Dangerous Goods Regulations (DGR) for the air transport (IATA).

ICAO International Civil Aviation Organization.

ICAO-TI Technical instructions for the safe transport of dangerous goods by air.

IMDG International Maritime Dangerous Goods Code.

IMDG-Code International Maritime Dangerous Goods Code.

LC50 Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval.

LD50 Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval.

log KOW n-Octanol/water.

MARPOL International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant").

NLP No-Longer Polymer.

PBT Persistent, Bioaccumulative and Toxic.

PNEC Predicted No-Effect Concentration.

UN RTDG UN Recommendations on the Transport of Dangerous Good.

vPvB Very Persistent and very Bioaccumulative.

Validated by:

SRS

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