

SAFETY DATA SHEET

Version 1.1
Revision Date 03.05.2022

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

This product is considered an article. This Safety Data Sheet is written based on the encapsulated substance or mixture in this article.

1.1 Product identifiers

Product name : Restek Combi (Carbon dioxide / Moisture) Filter Kit - 1/8" Brass
Product Number(s) : 23845
Brand : Restek

1.2 Other means of identification

No data available

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

Gas Purification

1.4 Details of the supplier of the safety data sheet

Company : Scientific Glass Technology
Singapore Pte Ltd
83 Science Park Drive
#01-01 The Curie
Singapore Science Park I
Singapore 118258

Telephone : +65 6777 5825
Fax : +65 6774 4956

1.5 Emergency telephone number

Emergency Phone # : Please contact the regional company representation in your country.

2. HAZARDS IDENTIFICATION

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

2.1 GHS Classification

This substance is not classified as dangerous according to European Union legislation

2.2 GHS Label elements, including precautionary statements

Not a dangerous substance according to GHS

2.3 Other hazards - none

1. COMPOSITION/INFORMATION ON INGREDIENTS

The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

3.2 Mixtures

Component	Classification	Concentration
Sodium hydroxide		
CAS-No. 1310-73-2 EC-No. 215-185-5 Index-No. 011-002-00-6 Registration number 01-2119457892-27-XXXX	Met. Corr. 1; 1; H290,	>= 40 - <= 50
Zeolite		
CAS-No. 1318-02-1 EC-No. 215-283-8 REACH No.: 01-2119429034-49-0012		>= 40 - <= 60 %
Quarz		
CAS-No. 14808-60-7 EC-No. 238-878-4		>= 0.1 - <= 1 %

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

2. FIRST AID MEASURES

2.1 Description of first aid

measures **General advice**

2.2 Most important symptoms and effects, both acute and delayed

2.3 Indication of any immediate medical attention and special treatment needed

No data available

3. FIREFIGHTING MEASURES

3.1 Extinguishing media

Suitable extinguishing

media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

3.2 Special hazards arising from the substance or mixture

Sodium oxides

3.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

3.4 Further information

No data available

4. ACCIDENTAL RELEASE MEASURES

4.1 Personal precautions, protective equipment and emergency procedures

4.2 Environmental precautions

4.3 Methods and materials for containment and cleaning up

4.4 Reference to other sections

For disposal see section 13.

5. HANDLING AND STORAGE

5.1 Precautions for safe handling

5.2 Conditions for safe storage, including any incompatibilities

5.3 Specific end use(s)

No data available

6. EXPOSURE CONTROLS/PERSONAL PROTECTION

6.1 Control parameters

Occupational Exposure

Component	CAS-No.	Value	Control parameters	Basis
Sodium hydroxide	1310-73-2	PEL (short term)	2 mg/m ³	Singapore. Workplace Safety and Health Act - First Schedule Permissible Exposure Limits of Toxic Substances

6.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

7. PHYSICAL AND CHEMICAL PROPERTIES

7.1 Information on basic physical and chemical properties

8. STABILITY AND REACTIVITY

8.1 Reactivity

No data available

8.2 Chemical stability

No data available

8.3 Possibility of hazardous reactions

No data available

8.4 Conditions to avoid

No data available

8.5 Incompatible materials

Strong oxidizing agents, Strong acids, Organic materials

8.6 Hazardous decomposition products

9. TOXICOLOGICAL INFORMATION

9.1 Information on toxicological effects

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Potential health effects

Inhalation	May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Ingestion	May be harmful if swallowed. Causes burns.
Skin	May be harmful if absorbed through skin. Causes skin burns.
Eyes	Causes eye burns.

Signs and Symptoms of Exposure

spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache

Additional Information

RTECS: Not available

10. ECOLOGICAL INFORMATION

10.1 Toxicity

No data available

10.2 Persistence and degradability

No data available

10.3 Bioaccumulative potential

No data available

10.4 Mobility in soil

No data available

10.5 Results of PBT and vPvB assessment

No data available

10.6 Other adverse effects

Harmful to aquatic life.

11. DISPOSAL CONSIDERATIONS

11.1 Waste treatment

methods Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

12. TRANSPORT INFORMATION**12.1 UN number**

ADR/RID: 1823
IMDG: 1823
IATA-DGR: 1823
DOT: 1823

12.2 UN proper shipping name

ADR/RID: SODIUM HYDROXIDE, SOLID
IMDG: SODIUM HYDROXIDE, SOLID
IATA-DGR: Sodium hydroxide, solid
DOT: SODIUM HYDROXIDE, SOLID

12.3 Transport hazard class(es)

ADR/RID: 8
IMDG: 8
IATA-DGR: 8
DOT: 8

12.4 Packaging group

ADR/RID: II
IMDG: II
IATA-DGR: II
DOT: II

12.5 Environmental hazards

ADR/RID: No
IMDG: Marine pollutant: no
IATA-DGR: No
DOT: No

14.6 Special precautions for user

No data available

13. REGULATORY INFORMATION**13.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information****Notification status****14. OTHER INFORMATION****Text of H-code(s) and R-phrase(s) mentioned in Section 3****Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.