

Reanal Finechemical Co.

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1. Identification of the substance and the company

Product name: **N- α -Cbz-O-t-butyl-D-serine**CAS-No: **65806-90-8**

EU-No: -

REANAL Product Number: **22490**Company identification: **Reanal Finechemical Co.**

Address: HUNGARY, H-1147 Budapest, Telepes u. 53.

Tel.: (36-1) 467-7500

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2. Composition / Information on ingredients

Molecular formula: **C₁₅H₂₁NO₅**Relative molecular weight: **295.33**

3. Hazard statements

Hazard symbols and-signs:

Substance non classified as hazardous according to Directive 67/548/EEC.

4. First aid measures

General:

Remove exposed person from the contaminated area immediately, if necessary make lay him/her comfortable and loosen tight clothing. Remove contaminated clothing and shoes immediately. Wash contaminated clothing before reuse.

After inhalation:

Remove to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration.

After eye contact:

In case of contact immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

After skin contact:

In case of skin contact, immediately wash off skin with soap and copious amounts of water.

After swallowing:

If swallowed, wash out mouth with water provided person is conscious. If necessary, call a physician.

5. Fire fighting measures

Combustible. Use water spray, carbon dioxide, dry chemical powder, alcohol or polymer foam extinguisher. Use extinguishing media appropriate to surrounding fire conditions. Use water spray to cool containers under fire conditions. Emits toxic fumes under fire conditions.

6. Accidental release measures

Close contaminated area. Wear self-contaminated breathing apparatus, rubber boots and heavy rubber gloves according to degree of contamination. Do not allow contamination to get to drain. Sweep up, place in container and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. Handling and storage

Keep containers out of use closed. Store in labelled container. Store in a cool, dry place.

Storage temperature: 15-25 °C

8. Exposure controls / Personal protection

Exposure controls:

Protective clothing should be selected specifically for the working place, depending on concentrations and quantity of the hazards. Avoid contact with eyes, skin and clothing. Do not breathe dust. The powder of material, especially in high concentration or to sensitive persons may cause slight skin and/or eye irritation. When working do not eat or smoke. Wash thoroughly after handling. Mechanical exhaust required. Safety shower and eye bath are required. Take care of bathing facilities with warm water after work.

Personal protective equipment:

Protective clothing.

Eye protect:

Chemical safety goggles.

Hand protect:

Chemical-resistant rubber gloves.

Respiration protection:

Respirator.

Specific control parameters

MAK (mg/m³):

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9. Physical and chemical properties

Appearance: **White crystalline powder**

10. Stability and reactivity

Incompatibilities:

Strong oxidants.

Decomposition products:

Irritating and toxic fumes and gases, carbon monoxide, carbon dioxide, nitrogen oxides.

11. Toxicological information

Acute toxicity:

Powder of material in high concentration can causes eye and skin irritation. Material is irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled, swallowed or skin absorption.

12. Ecological information

WGK (German Water Hazard Classification): **1**

13. Disposal information

Chemicals must be disposed of in compliance with the respective national regulations.

14. Transport information

Data not yet available.

15. Regulatory information

Safety phrases:

22 Do not breathe dust.

24/25 Avoid contact with skin and eyes.

Labelling according to EC Directives.

16. Other 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. Reanal shall not be held liable for any damage resulting from handling or from contact.