



MATERIAL SAFETY DATA SHEET

Issue 05/11/2005

Trade Name: **Organo-germanium**

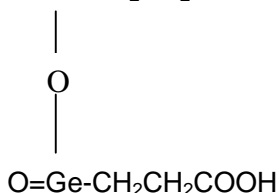
1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Trade name: Organo-germanium

Organo-germanium (Ge-132), i.e. Carboxyethyl-germanium-sesquioxide (Ge_2O_3)

Molecular formula: $(\text{CH}_2\text{CH}_2\text{COOHGe})_2\text{O}_3$

Molecular structure formula: $\text{O}=\text{Ge}-\text{CH}_2\text{CH}_2\text{COOH}$



Manufacturer/exporter/distributor:

Shenzhen Become Industry & Trade Co., Ltd.

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No.7 Cuizhu Road, Luohu District

Shenzhen-518020, China

Tel: +86 755 25610926

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2. COMPOSITION/INFORMATION ON INGREDIENTS:

Carboxyethyl-germanium-sesquioxide (Ge_2O_3) \geq 99.95%

Note: Please refer to the substance name: 3,3-(1,3-dioxo-1, 3-digerloxanedlyl)-bispropionic acid, 90%, CAS# 12758-40-6, SARA No.313.

3. HAZARDS IDENTIFICATION

No irritation to eyes

4. FIRST AID MEASURES

General information: Subacidity

Skin contact: No hazard. Wash thoroughly with soap and water.

Eye contact: Rinse opened eye for several minutes under running water or with eyewash. Remove any contact lenses. No need of seeking immediate medical attention.

Ingestion: Innocuity. If swallowed by infant or children, seek medical attention immediately.



MATERIAL SAFETY DATA SHEET

Issue 05/11/2005

5. FIRE-FIGHTING MEASURES

Non-flammable and not aid combustion

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: See section 8

Environmental precautions: Environmental protection

Methods for cleaning up: Clean with water, not with solvent.

7. HANDLING AND STORAGE

Direct manual handling is accepted because of the product with external package. Non-toxicity. It can be an additive for food, chemicals and cosmetics etc. The package shall be located in a dry, clean, cool and ventilated place. No need of special transport method.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Eye protection: No

Hand protection: No

Respiratory protection: No

With packaging, there is no direct exposure, no air entry and no dust outside, so no protection is necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Crystal powder

Color: White

Odor: N/A

PH: 2.5~2.6

Melting point: 273°C

Molecular weight: 339.32

Density: 1.28g/cm³

Boiling point: -

Flash point: N/A

Flammability: N/A

Auto flammability: N/A

Explosive properties: N/A



MATERIAL SAFETY DATA SHEET

Issue 05/11/2005

10. STABILITY AND REACTIVITY

Thermal decomposition: 273°C

Harmful decomposed product: None

Other information: None

11. TOXICOLOGICAL INFORMATION

Innocuity and environmental protection

12. ECOLOGICAL INFORMATION

It is useful to personnel and there is no influence on ecology.

It is sub-soluble and no radioactivity.

13. DISPOSAL CONSIDERATIONS

Appropriate methods of disposal: Pay attention to moisture proof.

Product:

Disposal of this product should be done under consultation with appropriate regulatory agencies before discharging of waste material.

Packaging: Dispose in accordance with current local/national regulations.

Recommended cleaning agent: Water

14. TRANSPORT INFORMATION

No hazardous

15. REGULATORY INFORMATION

Provisions from the EC: The product has been classified non hazardous.

Particular labeling requirements for certain preparations: None.

National regulations: None

16. OTHER INFORMATION

N.A.: not applicable

N.E.: not established

Training advice: No requirements for special training.

The information contained in the present sheet is based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according



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Issue 05/11/2005

to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.