

## SAFETY DATA SHEET

### 1. IDENTIFICATION

Product name: carbonic acid dibutyl ester

CAS No. : 542-52-9

Brand: Macklin

Company: Shanghai Macklin Biochemical Co.,Ltd.

Address: Shanghai Pudong Zhangjiang High-tech Park; 1st Building, 68 Huatuo Road; SHANGHAI CHINA

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Revision date: 2019/12/12

### 2. HAZARDS IDENTIFICATION

GHS classification

PHYSICAL HAZARDS

HEALTH HAZARDS

ENVIRONMENTAL HAZARDS

GHS label elements, including precautionary statements

Pictograms or hazard symbols

Signal word

Hazard statements

Precautionary statements

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components:carbonic acid dibutyl ester

CAS No.:542-52-9

Chemical Formula:C<sub>9</sub>H<sub>18</sub>O<sub>3</sub>

### 4. FIRST AID MEASURES

### 5. FIRE-FIGHTING MEASURES

### 6. ACCIDENTAL RELEASE MEASURES

### 7. HANDLING AND STORAGE

Precautions for safe handling

Conditions for safe storage, including any incompatibilities

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## 10. STABILITY AND REACTIVITY

## 11. TOXICOLOGICAL INFORMATION

## 12. ECOLOGICAL INFORMATION

## 13. DISPOSAL CONSIDERATIONS

## 14. TRANSPORT INFORMATION

## 15. REGULATORY INFORMATION

## 16. OTHER INFORMATION

This SDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. The products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.