



## **MATERIAL SAFETY DATA SHEET**

### **1. PRODUCT AND COMPANY IDENTIFICATION**

#### 1.1 Product identifier

Product name : Diacetyl Tartaric Acid Esters of Mono and Diglycerides  
CAS No. : 100085-39-0

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

Identified uses : Laboratory chemicals, manufacture of substances.

#### 1.3 Details of the supplier of the safety data sheet

Company: Aurora Industry Co.,Ltd.  
Tel: 0411-82288674  
Address: Room 7033, No.9-1, Haifu Road, Dalian Free Trade Zone, China

### **2. HAZARDS IDENTIFICATION**

In rare cases allergic reactions may develop on prolonged or repeated contact. Eye or skin contact may cause mild irritation. No toxic effects are known under normal conditions from inhalation of dust or vapors from this product.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name: Diacetyl tartaric acid esters of mono-and diglycerides  
CAS-number: 100085-39-0  
EINECS-number: 309-180-8  
Composition: 80% Diacetyl tartaric acid esters of mono-and diglycerides, 20% free flowing agent

### **4. FIRST AID MEASURES**

Eye contact: Rinse with plenty of water. If symptoms occur, seek medical advice.  
Skin contact: Wash with soap and water if necessary.  
Inhalation: Fresh air if discomfort is felt, No treatment is necessary under normal circumstances. If symptoms occur seek medical advice.  
First aid facilities: Not applicable. Advice to doctor: None.

### **5. FIRE FIGHTING MEASURES**

Extinguish with dry powder, carbon dioxide, foam or water fog. Do not use water jet. Treat as burning melted fat. Avoid inhalation of smoke or fumes.

### **6. ACCIDENTAL RELEASE MEASURES**



Personal precautions: Contaminated floors may be slippery. Environmental precautions: Not applicable.

Methods for cleaning up: Clean up spillage with a towel. Wash the soiled area with soap and water or detergent.

## **7. HANDLING AND STORAGE**

Handling: No special precautions are needed.

Storage: Seal and store in the low temperature, dry, cool and well-ventilated place, in order to prevent to be damp and become agglomeration. Strictly forbid to store and transport with materials that is explosive, combustible or deleterious. The shelf life is 18 months.

## **8. EXPOSURE CONTROLS**

Exposure standards: Not available.

Engineering controls: Any equipment used to handle this product should be designed to minimize the escape of aerosols, dust and vapors. Maintain adequate local exhaust ventilation that removes contaminated air, before the air reaches the respiratory.

Protective equipment: Wear protective clothing, gloves, safety goggles and respiratory equipment where necessary.

Educational demands: Instruction in the use of this product and knowledge of this material data sheet.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: white powder with a slightly acid odour.

Solubility: Insoluble in water.

Boiling point: > 250°C.

Flash point: > 100°C.

Vapour pressure: Not applicable.

Dropping point: Approximately 560C/1330F

Flammability limits: Not applicable.

Density: Not available.

## **10. STABILITY AND REACTIVITY**

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with moisture.

Corrosivity: Not available.



Special Remarks on Reactivity: Hygroscopic  
Special Remarks on Corrosivity: Not available.  
Polymerization: Will not occur.  
Chronic effects on humans: not available.  
Other Toxic Effects on Humans: not available  
Hazardous in case of inhalation.  
Slightly hazardous in case of skin contact (irritant), of ingestion.

## **11. TOXICOLOGICAL INFORMATION**

Eye or skin contact may cause mild transient irritation.  
No toxic effects are known under normal conditions from inhalation of dust or vapours from this product.

## **12. ECOLOGICAL INFORMATION**

Diacetyl tartaric acid esters of mono-and diglycerides is believed not to be dangerous to the environment with respect to mobility, persistency and degradability, bioaccumulative potential, aquatic toxicity and other data relating to ecotoxicity.

## **13. DISPOSAL CONSIDERATIONS**

Small quantities of waste are disposed of as domestic refuse.  
Greater quantities are disposed of in accordance with the local regulations.

## **14. TRANSPORT INFORMATION**

Diacetyl tartaric acid esters of mono-and diglycerides is not considered dangerous according to ADR, RID, IMO and IATA.

## **15. REGULATORY INFORMATION**

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada)

## **16. OTHER INFORMATION**

This data sheet complies with EU Directive 91/155 as amended.  
A Product Description is available on request.  
The information contained herein is furnished without warranty of any kind.  
Employers should use this information as a supplement to other information gathered



**Aurora Industry Co.,Ltd.**

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by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of this material and the safety and health of employees.