



MATERIAL SAFETY DATA SHEET

Product Name: Di-n-butyltin di (monobutylmaleate)

Revision Date: 2011-04-21

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Shanghai Research Institute of Chemical Industry Testing Centre
Shanghai Classification and Testing Centre of Dangerous
Chemicals for State Administration of Work Safety

Nantong Advance Chemicals Co., Ltd.

MATERIAL SAFETY DATA SHEET
Di-n-butyltin di(monobutylmaleate)

SECTION1 PRODUCT AND COMPANY IDENTIFICATION

Product name: Di-n-butyltin di(monobutylmaleate)
Company: Nantong Advance Chemicals Co., Ltd.
Address: Yanjiang Fine Chemical Industrial Park, Beixing Town, Qidong City, Nantong City, Jiangsu Province, 226221, P. R. China
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MSDS Number: 2611040011
MSDS Date: 2011-04-21

SECTION2 INFORMATION ON INGREDIENTS

Product name: Di-n-butyltin di(monobutylmaleate)

| Ingredient | Concentration | CAS No. | EC No. |
|------------------------------------|---------------|------------|--------|
| Di-n-butyltin di(monobutylmaleate) | >99% | 66010-36-4 | / |

SECTION3 HAZARDS IDENTIFICATION

Hazards Identification:

This substance is considered to be non-hazardous for transport.

Emergency Overview:

Irritating to eyes, respiratory system and skin. Avoid contact directly.

SECTION4 FIRST-AID MEASURES

Skin Exposure:

In case of contact, immediately wash skin with soap and copious amounts of water. Call a physician.

Eye Exposure:

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation persists, call a physician.

Inhalation Exposure:

If inhaled, remove to fresh air. If necessary, get medical attention.

Oral Exposure:

If swallowed, immediately wash out mouth with water provided person is conscious. Call a physician.

SECTION5 FIRE FIGHTING MEASURES

Extinguishing Media:

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

Firefighting:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific hazards: Emit toxic fumes under fire conditions.

SECTION6 ACCIDENTAL RELEASE MEASURES

Procedure of Personal Precaution:

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation.

Methods for Cleaning up:

Mix with inert material (e.g. dry sand, vermiculite) and transfer to a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

SECTION7 HANDLING AND STORAGE

Handling:

Wear appropriate protective clothing and chemical safety gloves. Avoid contacting with eyes, skin and clothing. Avoid inhalation. Keep container tightly closed. Avoid prolonged or repeated exposure. Keep away from heat, sparks and flame. Incompatible: strong oxidizing agents.

Storage:

Store in a cool, well-ventilated area. Keep away from ignition sources, heat and flame. Store in a tightly closed container. Incompatibilities: strong oxidizing agents.



SECTION 8 EXPOSURE CONTROL/PPE**Engineering Controls:**

Mechanical exhaust required. Safety shower and eye bath.

Personal Protective Equipment:

Respiratory: Wear government approved respirator.

Eye: Safety glasses.

Clothing: Wear appropriate protective clothing.

Hand: Compatible protective gloves.

Other Protect:

No smoking, drinking and eating at working site. Wash thoroughly after handling.

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

Appearance: Pale yellow transparent viscous liquid

Odor: Weak odor

Molecular Formula: $C_{12}H_{10}O_2Sn$

Formula:

Molecular Weight: 574.7

Flash Point (Closed Cup)/°C: >95.0°C

pH Value: Not applicable.

Solubility: Immiscible in water

SECTION 10 STABILITY AND REACTIVITY**Stability:**

Stable under normal temperatures and pressures.

Materials to Avoid:

Strong oxidizing agents.

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

Carbon oxides, Tin/tin oxides.

SECTION 11 TOXICOLOGICAL INFORMATION**Toxicity Data:**

No data available.

Irritation Data:

Irritating to eyes, respiratory system and skin.

SECTION 12 ECOLOGICAL INFORMATION

No data available.

SECTION 13 DISPOSAL CONSIDERATION**Appropriate Method of Disposal of Substance:**

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all federal, state, and local environmental regulations.

SECTION14 TRANSPORT INFORMATION

RID/ADR: Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA: Non-Hazardous for Air Transport: Non-hazardous for air transport.

IMO: Non-Hazardous for Sea Transport: Non-hazardous for sea transport.

SECTION15 REGULATORY INFORMATION**EU Additional Classification:**

Symbol of Danger: Xi.

Indication of Danger: Irritant.

R: 36/37/38

Risk Statements: Irritating to eyes, respiratory system and skin.

S: 2 24/25 26 36/37/39

Safety Statements: Keep out of the reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical. Wear suitable protective clothing, gloves and eye/face protection.

SECTION16 OTHER INFORMATION

Date: 2011-04-21

Department: Shanghai Research Institute of Chemical Industry Testing Centre
Shanghai Classification and Testing Centre of Dangerous Chemicals for State Administration of Work Safety

Tel (Fax): 8621-52815377/52800971/52807275/52811034/52569800

Revision: 0

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