

Dibutyltin dilaurate

SAFETY DATA SHEET

SDS

Nantong Advance Chemicals Co., Ltd.

according to GHS(fourth revised edition)

Section 1 - Product and Company Identification

Product name	Dibutyltin dilaurate
Applicant name	Nantong Advance Chemicals Co., Ltd.
Application address	Beixin Town, Qidong Yangjiang Fine Chemical Industry Park, Nantong, Jiangsu, China
Applicant post code	226221
Applicant fax	+86-513-83201246
Applicant emergency number	+86-513-83201249
Manufacturer name	Nantong Advance Chemicals Co., Ltd.
Manufacturer address	Beixin Town, Qidong Yangjiang Fine Chemical Industry Park, Nantong, Jiangsu, China
Manufacturer post code	226221
Manufacturer fax	+86-513-83201246
Manufacturer emergency number	+86-513-83201249
SDS number	DG1210064ER
Effective date	Sep 20, 2012

Section 2 –Hazards Identification

Hazard class and label elements of the substance according to GHS(the fourth revised edition):

Hazard class	Acute toxicity, oral	category3
	Skin corrosion/irritation	category2
	Germ cell mutagenicity	category2
	Reproductive toxicity	category1
	Specific target organ toxicity, repeated exposure	category2
	Hazardous to the aquatic environment, long-term hazard	category1

Pictogram



Signal

Danger

Hazard statement(s)

H301 Toxic if swallowed
H315 Causes skin irritation

H341 Suspected of causing genetic defects
 H360 May damage fertility or the unborn child
 H373 May cause damage to organs through prolonged or repeated exposure
 H410 Very toxic to aquatic life with long lasting effects

Precautionary statements**Prevention**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P273 Avoid release to the environment.

Response

P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P308+P313 IF exposed or concerned: Get medical advice/ attention.
 P314 Get medical advice/attention if you feel unwell.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P391 Collect spillage.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3 – Composition/Information on Ingredients

Component	Concentration(%)	CAS No.	EC No.
Dibutyltin dilaurate	≥98%	77-58-7	201-039-8

Section 4 – First Aid Measures

After skin contact	Wash off with soap and plenty of water. Consult a physician.
After eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
After ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
After inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Section 5 – Fire Fighting Measures

Hazardous products of combustion	Carbon oxides, Tin/tin oxides
Extinguishing method	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment	Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measure

Personal precautions	Use personal protective equipment. Ensure adequate ventilation. Avoid breathing vapors, mist or gas. Evacuate personnel to safe areas.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods for cleaning up Pick up and arrange disposal. Keep in suitable, closed containers for disposal.

Section 7 – Handling and Storage

Handling Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8 – Exposure Controls, Personal Protection

Engineering Controls Safety shower and eye bath. Mechanical exhaust required.
Respiratory protection Use a full-face supplied air respirator.
Eye protection Wear chemical goggles.
Hand Protection Wear impervious chemical resistant gloves
Body protection Protective work clothing

Section 9 – Physical and Chemical Properties

Appearance: Light yellow transparent oily liquid **Odor:** No data available
Odor threshold: No data available **pH value:** No data available
Melting point/freezing point(°C): No data available **Initial boiling point and boiling range(°C):** No data available
Flash point(°C)(closed cup): No data available **Evaporation Rate:** No data available
Flammability: No data available **Upper explosive limit%(V/V):** No data available
Lower explosive limit%(V/V): No data available **Vapor pressure(MPa):** No data available
Vapor density(g/mL): No data available **Relative density(g/cm³):** 1.066(25 °C)
Solubility: No data available **Octanol / water partition coefficient:** No data available
Auto-ignition temperature(°C): No data available **Decomposition temperature(°C):** No data available
Viscosity(m²/s): No data available

Section 10 – Stability and Reactivity

Reactive No data available
Chemical stability Stable under the condition recommended.
Possibility of hazardous reactions No data available
Avoid conditions No data available
Incompatible materials Strong bases, Strong oxidizing agents
Hazardous decomposition products No data available

Section 11 – Toxicological Information

Acute toxicity:
Dibutyltin dilaurate: LD₅₀(rat, Oral) 175 mg/kg; LC₅₀(mouse, Inhalation, 2h) 0.15 mg/L
Skin corrosion/irritation: No data available
Serious eye damage/eye irritation: No data available
Respiratory or skin sensitization: No data available.
Germ cell mutagenicity: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

Specific target organ toxicity – single exposure: No data available

Specific target organ toxicity – repeated exposure: No data available

Aspiration hazard: No data available

Section 12 – Ecological Information

Ecotoxicity: No data available

Biodegradability: No data available

Abiotic degradation: No data available

Bioaccumulation: No data available

Other hazards: Very toxic to aquatic life with long lasting effects

Section 13 – Disposal Considerations

Property of waste: No data available

Methods of disposal: Dispose of in a manner consistent with federal, state, and local regulations. Burning method is recommended.

Precautions of disposal: No data available.

Section 14 - Transport Information

UN number: 2788

UN proper shipping name: ORGANOTIN COMPOUND, LIQUID, N.O.S.

Transportation primary hazard class: 6.1

Transportation secondary hazard class: ——

Packing group: III

Section 15 - Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
Dibutyltin dilaurate	√	√	√	√

Note 1:

CHINA - China Inventory of Existing Chemical Substances

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

ENCS - Japan Existing and New Chemical Substances

EINECS - European Inventory of Existing Commercial Chemical Substances

Note 2:

"√" Indicates that the substance included in the regulations

"-" That no data or included in the regulations

Section 16 - Additional Information

Prepared by: Changzhou Testing Center of Entry-Exit Industrial and Consumable Products

Completion Date: Sep 20, 2012

Modification statement: The first revised edition. The original report DG1210063E is invalid. Please update before the implementation of the GHS fifth revised edition.

Other information:

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