

Butyltin trichloride**SAFETY DATA SHEET****SDS****Nantong Advance Chemicals Co., Ltd.**

according to GHS(fourth revised edition)

Section 1 - Product and Company Identification

Product name	Butyltin trichloride
Applicant name	Nantong Advance Chemicals Co., Ltd.
Application address	Beixin Town, Qidong Yangjiang Fine Chemical Industry Park, Nantong City, Jiangsu Province, China
Applicant post code	226221
Applicant fax	+86-513-83201246
Applicant emergency number	+86-513-83201212
Manufacturer name	Nantong Advance Chemicals Co., Ltd.
Manufacturer address	Beixin Town, Qidong Yangjiang Fine Chemical Industry Park, Nantong City, Jiangsu Province, China
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Manufacturer fax	+86-513-83201246
Manufacturer emergency number	+86-513-83201212
SDS number	DG1210068E
Effective date	Sep 21, 2012

Section 2 - Hazards Identification

Label elements of the substance according to GHS(the fourth revised edition)

Pictogram



Signal	Danger
Hazard statement(s)	H227 Combustible liquid H303 May be harmful if swallowed H314 Causes severe skin burns and eye damage
Precautionary statements	P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P312 Call a POISON CENTER/doctor/if you feel unwell.

P363 Wash contaminated clothing before reuse.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

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.
Butyltin trichloride	≥98%	1118-46-3	214-263-6

Section 4 – First Aid Measures

After skin contact	Take off the contaminated clothing and shoes immediately. 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	Do Not induce vomiting. 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, Hydrogen chloride gas, 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. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
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Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for cleaning up	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and

Section 7 – Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
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 brown transparent 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): 93
Flash point(°C)(closed cup): 81	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): 1.693
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	Heat, flames and sparks.
Incompatible materials	Strong oxidizing agents, Strong bases, Alcohols
Hazardous decomposition products	No data available

Section 11 – Toxicological Information

Acute toxicity: LD₅₀(rat, Oral) 2140 mg/kg
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: EC₅₀(Daphnia magna,24h) 49mg/L
Biodegradability: No data available
Abiotic degradation: No data available
Bioaccumulation: No data available
Other hazards: No data available.

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: 3265
UN proper shipping name: CORROSIVE LIQUID, ACIDIC,ORGANIC, N.O.S.
Transportation primary hazard class: 8
Transportation secondary hazard class: —
Packing group: II

Section 15 - Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
Butyltin trichloride	√	√	√	√

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 21, 2012
- Modification statement:** Original. Please update before the implementation of the GHS fifth revised edition.
- Other information:** The information contained herein is prepared according to UN GHS (the fourth revised edition) and is accurate to the best of our knowledge. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.