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NO.2611080004

MATERIAL SAFETY DATA SHEET

Product Name: Butyltin tris(2-ethylhexanoate)

Revision Date: 2011-08-18

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Checker: Dongxuesheng

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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

Butyltin tris(2-ethylhexanoate)

SECTION1 PRODUCT AND COMPANY IDENTIFICATION

Product name: Butyltin tris(2-ethylhexanoate)
 Company: Nantong Advance Chemicals Co., Ltd.
 Address: Binjiang Fine Chemical Industrial Park, Qindong, Beixing Town, Qidong City,
 Jiangsu Province, 226221, P. R. China
 Email: jj1973-ab@163.com
 Fax: 86-513-83887866
 Emergency Phone: 86-513-83887999
 MSDS Number: 2611080004
 MSDS Date: 2011-08-18

SECTION2 INFORMATION ON INGREDIENTS

Product name: Butyltin tris(2-ethylhexanoate)

Ingredient	Concentration	CAS No.	EC No.
Butyltin tris(2-ethylhexanoate)	>99%	23850-94-4	245-912-1

SECTION3 HAZARDS IDENTIFICATION

Hazards Identification:
 6.1 Toxic

Emergency Overview:
 Toxic by inhalation, in contact with skin and if swallowed. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

SECTION4 FIRST-AID MEASURES

Skin Exposure:

In case of contact, flush with copious amounts of water for at least 15minutes. Remove contaminated clothing and shoes. Call a physician.

Eye Exposure:

In case of contact, flush with copious amounts of water for at least 15minutes. Assure adequate flushing by separating the eyelids with fingers. If necessary, get medical attention.

Inhalation Exposure:

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Oral Exposure:

If swallowed, 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:

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.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION7 HANDLING AND STORAGE

Handling:

Wear appropriate protective clothing and safety gloves. Avoid inhalation of vapour or mist. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Mechanical exhaust required. Keep away from ignition sources, heat and flame. Incompatibilities: strong oxidizing agents. No smoking at working site.

Storage:

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

SECTION8 EXPLOSURE CONTROL/PPE**Engineering Controls:**

Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment:

Respiratory: Wear government approved respirator.

Eye: Safety glasses.

Clothing: Wear appropriate protective clothing.

Hand: Impervious gloves.

Other Protect:

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

SECTION9 PHYSICAL/CHEMICAL PROPERTIES

Appearance: Colorless transparent liquid

Odor: Weak odor

Molecular Formula: $C_{28}H_{54}O_6Sn$

Formula:

Molecular Weight: 605.43

Boiling Point/ $^{\circ}C$: $>150^{\circ}C$

Flash Point
(Closed Cup)/ $^{\circ}C$: $>95.0^{\circ}C$

pH Value: 4.3 (25 $^{\circ}C$, 50.0g/L)

Solubility: Slightly soluble in water

SECTION10 STABILITY AND REACTIVITY**Stability:**

Stable under recommended storage conditions.

Materials to Avoid:

Strong oxidizing agents.

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

Carbon oxides, Tin/tin oxides.

SECTION11 TOXICOLOGICAL INFORMATION**Toxicity Data:**

Rabbit Skin LD_{50} $>8000mg/kg$

Irritation Data:

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

SECTION12 ECOLOGICAL INFORMATION

No data available.

SECTION13 DISPOSAL CONSIDERATION**Appropriate Method of Disposal of Substance:**

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

SECTION14 TRANSPORT INFORMATION

RID/ADR: Shipping Name: ORGANOTIN COMPOUND, LIQUID, N.O.S. (Butyltin tris(2-ethylhexanoate))
Hazard Class: 6.1
UN Number: 2788
Packing Group: III

IATA: Shipping Name: ORGANOTIN COMPOUND, LIQUID, N.O.S. (Butyltin tris(2-ethylhexanoate))
Hazard Class: 6.1
UN Number: 2788
Packing Group: III

IMO: Shipping Name: ORGANOTIN COMPOUND, LIQUID, N.O.S. (Butyltin tris(2-ethylhexanoate))
Hazard Class: 6.1
UN Number: 2788
Packing Group: III
EmS No.: F-A, S-A

SECTION15 REGULATORY INFORMATION**According to Regulation (EC) No1272/2008:**

Acute toxicity, Inhalation (Category 3)
Acute toxicity, Oral (Category 3)
Acute toxicity, Skin (Category 3)
Skin irritation (Category 2)
Eye irritation (Category 2)
Specific target organ toxicity - single exposure (Category 3)

According to European Directive 67/548/EEC:

Symbol of Danger: T.
Indication of Danger: Toxic.
R: 23/24/25 36/37/38
Risk Statements: Toxic by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin.
S: 2 26 28 36/37/39 45
Safety Statements: Keep out reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

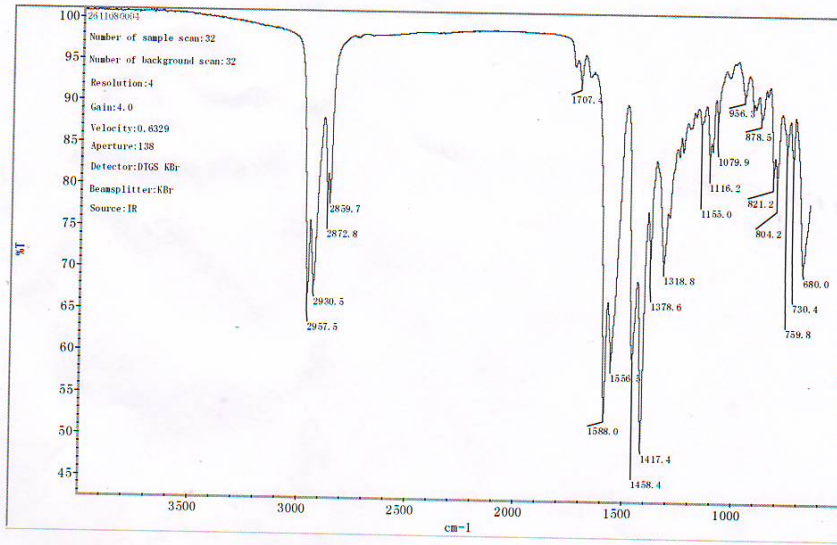
SECTION 16 OTHER INFORMATION

Date: 2011-08-18

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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