

**MATERIAL SAFETY DATA SHEET****Product Name:** Tributylamine**CAS No.:** 102-82-9**Version:** 0**1. Identification**

**Product Code** : 93082  
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**2. Hazards Identification****Hazard classification**

Acute toxicity, Oral : Category 4  
Acute toxicity, Inhalation : Category 1  
Acute toxicity, Dermal : Category 1  
Skin corrosion : Category 2

**Labels elements**

Hazard symbol

**Signal word** : Danger**Hazard statement** : Harmful if swallowed.  
Fatal in contact with skin or if inhaled  
Causes skin irritation.**Precautionary statement** : Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not get in eyes, on skin, or on clothing.  
Wear protective gloves/ protective clothing.  
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
Rinse mouth.  
IF ON SKIN: Wash with plenty of water. Immediately call a POISON CENTER/doctor.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.**3. Composition/information on ingredients**

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**Ingredient** : Tributylamine  
**CAS No.** : 102-82-9  
**Percent** : NLT 99.0%  
**Formula** : C<sub>12</sub>H<sub>27</sub>N  
**Molecular Weight** : 185.36 g/mol

**4. First Aid Measures****Description of first aid measures**

**General advice** : Consult a physician. Show this safety data sheet to the doctor in attendance.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

**Skin contact** : Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

**Eye contact** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Swallowed** : Get medical advice/attention if you feel unwell. Rinse mouth.

**Most important symptoms and effects, both acute and delayed** : The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

**Indication of any immediate medical attention and special treatment needed** : No data available

**5. Fire fighting measures****Extinguishing media**

**Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture** : Carbon oxides, Hydrogen chloride gas, silicon oxides

**Advice for firefighters** : Wear self contained breathing apparatus for firefighting if necessary.

**6. Accidental Release Measures**

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- Personal precautions, protective equipment and emergency procedures** : Wear respiratory protection. Avoid breathing vapours, 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.
- Environmental precautions** : Do not let product enter drains.
- Methods and materials for containment and cleaning up** : Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

**7. Handling and storage**

- Precautions for safe 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.
- Conditions for safe storage, including any incompatibilities** : 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.  
Hygroscopic.

**8. Exposure Controls / Personal Protection**

- Exposure limit** : No data available
- Appropriate engineering controls** : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.
- Personal protective equipment**
- Respiratory protection : Dust respirator. Follow local and national regulations
- Hand protection : Protective gloves.
- Eye protection : Safety glasses. A face-shield, if the situation requires.
- Skin and Body Protection : Protective clothing. Protective boots, if the situation requires.

**9. Physical and Chemical Properties**

- Appearance** : Clear, Colorless - Pale yellow liquid.
- Odor** : pungent
- pH** : 10.2 at 0.1 g/l at 25 °C
- Melting point/freezing point** : -70 °C - lit.
- Initial boiling point and boiling range** : 216 °C - lit.  
: 63 °C - closed cup
- Flash Point**
- Vapor pressure** : No data available
- Vapor density** : No data available
- Relative density** : No data available

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**Solubility in water** : No data available  
**Solubility (other)** : No data available

**10. Stability and Reactivity**

**Reactivity** : No data available  
**Chemical stability** : Stable under recommended storage conditions.  
**Possibility of hazardous reactions** : No data available  
**Conditions to avoid** : Heat, flames and sparks.  
**Incompatible materials** : Strong oxidizing agents  
**Hazardous decomposition products** : Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO<sub>x</sub>)

**11. Toxicological Information****Information on toxicological effects**

**Acute toxicity** : No data available  
**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**  
IARC : No data available  
NTP : No data available  
OSHA : No data available  
**Reproductive toxicity** : No data available  
**Route of Exposure** : No data available  
**Signs and Symptoms of Exposure** : No data available

**12. Ecological Information**

**Toxicity** : No data available  
**Persistence and degradability** : No data available  
**Bioaccumulative potential** : No data available

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**Mobility in soil** : No data available.  
**Other adverse effects** : No data available.

**13. Disposal consideration**

**Disposal instructions** : Offer surplus and non-recyclable solutions to a licensed disposal company.  
**Contaminated packaging** : Dispose of as unused product.

**14. Transport Information**

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>	2542	TRIBUTYLAMINE	6.1	II	NO
<b>IMDG</b>	2542	TRIBUTYLAMINE	6.1	II	NO
<b>IATA</b>	2542	TRIBUTYLAMINE	6.1	II	NO

**15. Regulatory Information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

**16. Other Information****Issue Date** :20/01/2017**Version** : 0

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PRODUCT(S).