

JIANGSU TIANYIN CHEMICAL INDUSTRY CO., LTD**MSDS**

ACETYL TRIBUTYL CITRATE (ATBC)

1. Product Identification and Manufacture Information.

Trade Names/Synonyms: ACETYL TRIBUTYL CITRATE (ATBC)

Chemical Formula: C₂₀-H₃₄-O₈

CAS NO.: 77-90-7

Manufacturer: Jiangsu Tianyin Chemical Industry Co., Ltd.

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Shanghai Chemical Accident Counseling Service: 86-21-62533429

China National Chemical Accident Counseling Service: 86-532-3889090

2. Composition/Information on Ingredients

Main Content	CAS	Percentage (%)
Acetyl tributyl citrate	77-90-7	100

3. Hazards Identification

Harmful if swallowed, inhaled or absorbed through skin/eyes.

Inhalation: Will be harmful if inhaled high concentration vapor or fog.

Eyes Contact: A little irritative.

Skin Contact: A little irritative.

Ingestion: Will be harmful if swallowed a large amount.

4. First Aid Measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. Call a physician.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact:

Immediately flush skin completely with plenty of water for enough time.

Ingestion:

Don't do anything to induce vomiting. Get medical attention immediately.

5. Fire Fighting Measures

Flash Point: 204°C

Autoignition: No data is available

Explosion Limit: No data is available

Burn Decomposition Products: Carbon monoxide, carbon dioxide.

Fire Extinguishing Media: Foam, water vapor, dry chemical, or carbon dioxide.

Personal Protection: Should wear protective clothing and self-contained breathing apparatus

6. Accidental Release Measures

Release Measures: Use inert material (sand) to collect the spilled liquid. Put the liquid into appropriate containers when collect and transport. Please be reminded that the spilled liquid or wasted material should be prohibited to enter into sewer or drain as well as rivers.

7. Handling and Storage

Store in a dry well-ventilated location at room temperature. Store in a tightly closed container.

Keep the product from contacting with eyes, skin and clothing. Ventilate properly and flush completely after handling.

8. Exposure Controls/Personal Protection

Contact limit in work place

China: No regulation

USA: No regulation

Engineering Control: Ventilate properly, if use the product in limited space or high room temperature environment, partial mechanical ventilation device should be equipped.

Breathing System Protection: If use the product in a limited space or high room temperature environment, an approved fog resistant respirator shall be worn.

Eye Protection: Wear tightly closed glasses and goggles.

Skin Protection: Wear protective clothing and filter resistant gloves.

9. Physical and Chemical Properties

Appearance and Odor: Colorless liquid.

Specific Gravity : 1.053 (20°C)

Vapor Density (air=1): >14.1

Vapor Pressure: 0.88 mmHg (170°C)

Evaporate Rate: <1 (butyl acetate=1)

Melting Point (°C): -59

Boiling Point (°C): 327

Solubility: <0.1%

10. Stability and Reactivity

Stability: Stable.

Burn Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur

Incompatibilities: Oxidizer

11. Toxicological Information

Toxicity Data:

LD50: >100g/kg (oral little male or female rat)

12. Ecological Information

No data is available

13. Disposal Considerations

Dispose in accordance with all national and local applicable regulations.

14. Transport Information

Home: No regulation

International:

America DOT: No regulation

15. Regulatory Information

Product Description: Acetyl tributyl citrate (77-90-7)

In Current Chinese Chemical Inventory: Yes

Severe Toxin Classification, Sort and Description No. (GB57-93): Not available

Hazard Commodity Description No. (GB12268-90): No regulation

Fatal Hazard Sources Labeling: No regulation

16. Other Information

All the information in the MSDS is from our latest database, they are only for users' reference, users shall prepare its own operating regulation in accordance with practical situation.

Prepared by: Shanghai Chemical Toxin Counseling Service of China National Economics & Trade
Committee

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