

# Material Safety Data Sheet

## Acetyl Tributyl Citrate

### Section 1: Chemical Product and Company Identification

**Product Name:** Acetyl Tributyl Citrate 99.0%

**Chemical Name:** Acetyl Tributyl Citrate

**CAS No.:** 77-90-7

**EINECS No.:** 201-067-0

**Customs Tariff No:** 29181500

**Synonym Name:**

Acetyl Butyl Citrate, **ATBC**, Acetyl citric Acid, Tributyl Ester, Acetyl Tributyl Citrate, Citric Acid, Tributyl Ester, Acetate

**Chemical Formula:** C<sub>20</sub>H<sub>34</sub>O<sub>8</sub>

**Contact Information:**

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### Section 2: Composition and Information on Ingredients

**Composition:**

Name	CAS No.	EINECS No.	by weight
Acetyl Tributyl Citrate	77-90-7	201-067-0	99.0% min.

### Section 3: Hazards Identification

NFPA ratings (scale 0-4): Health: 1; Fire: 1; Reactivity: 0

Carcinogen Status: OSHA: No; IARC: No

Not a hazardous product as specified in Directive 67/548/EEC

### Section 4: First Aid Measures

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

In case of contact, immediately wash skin with soap and copious amounts of water.

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

If swallowed, wash out mouth with water provided person is conscious.

Wash contaminated clothing before reuse.

### Section 5: Fire and Explosion Data

**Extinguishing medis:** Water spray, carbon dioxide, dry chemical powder or appropriate foam.

**Special Firefighting Procedures:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Unusual Fire and Explosion Hazards:** Emits toxic fumes under fire conditions.

### Section 6: Accidental Release Measures

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

Absorb on sand or vermiculite and place in closed containers for disposal.

Ventilate area and wash spill site after material pickup is complete.

### Section 7: Handling and Storage

Refer to section 8.

### Section 8: Exposure Controls/Personal Protection

**Protection**

Chemical safety goggles.  
Compatible chemical-resistant gloves.  
NIOSH/MSHA-approved respirator.  
Safety shower and eye bath.  
Mechanical exhaust required.  
Avoid inhalation.  
Avoid contact with eyes, skin and clothing.  
Avoid prolonged or repeated exposure.  
Wash thoroughly after handling.  
Keep tightly closed.  
Store in a cool dry place.

**Section 9: Physical and Chemical Properties****Physical Properties:**

Physical state: Colorless liquid  
Odor: Slight  
M.W.: 402.29]  
Boiling Point: 170-173°C @1hPa  
Flashpoint: 204°C (COC)  
Density: 1.05g/cm<sup>3</sup>@20°C/4°C  
Solubility in H<sub>2</sub>O: Insoluble  
Viscosity: 32.7 Mpa\*s@25°C  
Vapor pressure: 0.8mmHg@170°C  
Vapor density (Air=1): 14.1

**Section 10: Stability and Reactivity Data**

**Conditions to avoid:** Stable.

**Incompatibilities:** Strong oxidizing agents. Protect from moisture.

**Hazardous combustion or decomposition products:** Toxic fumes of: Carbon monoxide, carbon dioxide

**Hazardous polymerization:** Will not occur.

**Section 11: Toxicological Information****Acute effects:**

May be harmful by inhalation, ingestion, or skin absorption.

May cause eye irritation.

May cause skin irritation.

To the best of our knowledge, the chemical, physical, and toxicological properties have

Not been thoroughly investigated.

**RTECS #:** TZ8330000]

1,2,3-propanetricarboxylic acid, 2-(acetyloxy)-, tributyl ester

**Toxicity data:**

Ipr-mus LD<sub>50</sub>: >4gm/kg;oral-rat LD<sub>50</sub>: >30ml/kg;oral-cat LD<sub>50</sub>: >50 ml/kg;

Intermittent ipr-mus: TDLo:12600 mg/kg/14 days.

Only selected registry of toxic effects of chemical substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

**Section 12: Ecological Information**

No ecological problems are to be expected when the products is handled and used with due care and attention.

**Section 13: Disposal Considerations**

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.  
Observe all federal, state and local environmental regulations.

#### Section 14: Transport Information

Not regulated.

#### Section 15: Other Regulatory Information

##### Reviews, Standards, and Regulations:

OEL=MAK

NOHS 1974: HZD M3919; NIS 4; TNF 88; NOS 4; TNE 1152

NOES 1983: HZD M3919; NIS 3; TNF 459; NOS 17; TNE 106672; TFE 98128

EPA TSCA Section 8(B) Chemical Inventory

#### Section 16: Other Information

**Chemtrade International provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.**