



安徽艾蒂贝生物股份有限公司

Anhui Adibei Biological Co.,Ltd.

MATERIAL SAFETY DATASHEET

Date:Jan.01,2023

Product Name: Triacetin

1.CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: TRIACETIN

Synonyms: Glycerol triacetate; 1,2,3-Propanetriol triacetate; Triacetine

Molecular Formula: C₉H₁₄O₆

Company Information:

Name: Anhui Adibei Biological Co., Ltd.

Address: Salt Chemical Industry Park (Luqiao town), Dingyuan County, Chuzhou City, Anhui Province, China

Mobile No: (86) 18168323610 Contact:MS Lily

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2.COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	%	EINECS#
102-76-1	TRIACETIN	99.5%	203-051-9

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

3.HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Not available.

Potential Health Effects:

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Expected to be a low ingestion hazard.

Inhalation: May cause respiratory tract irritation.

Chronic: Not available.

4.FIRST AID MEASURES ****

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure to fresh air immediately.

Notes to Physician:

5.FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

6.ACCIDENTAL RELEASE MEASURES:

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

7.HANDLING and STORAGE:



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Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Storage: Store in a cool, dry place. Store in a tightly closed container.

8.EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal Protective Equipment:

Eyes: Wear chemical goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear a chemical apron.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9.PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Clear liquid
Appearance:	colourless
Odor:	fatty odor
pH:	Not available.
Vapor Pressure:	< .1 mbar @ 20 deg
Viscosity:	23 mPas 20 deg C
Boiling Point:	258 deg C @ 760.00mm Hg
Freezing/Melting Point:	3 deg C
Autoignition Temperature:	430 deg C (806.00 deg F)
Flash Point:	148 deg C (298.40 deg F)
Explosion Limits, lower:	Not available.
Explosion Limits, upper:	Not available.
Decomposition Temperature:	
Solubility in water:	IN WATER: 64.0 G/L (20°C)
Specific Gravity/Density:	1.1550g/cm ³
Molecular Formula:	C ₉ H ₁₄ O ₆
Molecular Weight:	218.21

10.STABILITY AND REACTIVITY

Chemical Stability: Not available.

Conditions to Avoid: Incompatible materials.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

11.TOXICOLOGICAL INFORMATION:

RTECS#: CAS# 102-76-1: AK3675000

LD50/LC50: CAS# 102-76-1: Oral, mouse: LD50 = 1100 mg/kg; Oral, rat: LD50 = 3gm/kg.



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Carcinogenicity: TRIACETIN Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information.

12. ECOLOGICAL INFORMATION:

Ecotoxicity: Acute fish toxicity-LC0: LD0: 100 mg/l 3d. Exp.Goldorfe (Leuciscusidus)

13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT INFORMATION ****

IATA: Not regulated as a hazardous material.

IMO: Not regulated as a hazardous material.

RID/ADR:

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing group:

15. REGULATORY INFORMATION:

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases: S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection):

CAS# 102-76-1: 1

United Kingdom Occupational Exposure Limits

Canada:

CAS# 102-76-1 is listed on Canada's DSL List.

CAS# 102-76-1 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 102-76-1 is listed on the TSCA inventory.

16. ADDITIONAL INFORMATION:

The information above is believed to be accurate and represents the best information currently available to us. 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.