

# Everchem Specialty Chemicals

1400 N. Providence Road, Ste 302  
Media, PA 19063, USA  
Tel: (484) 234-5030 Fax: (484) 234-5037  
[www.everchem.com](http://www.everchem.com)

For Chemical Emergency - Spill, Leak, Fire,  
Exposure or Accident

Call CHEMTREC Day or Night USA + Canada =  
1-800-424-9300 / 703-527-3887

---

## Safety Data Sheets

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name : 2,2,4 Trimethyl-1,3-pentanediol diisobutyrate  
CAS-No. : 6846-50-0

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.  
This substance is not classified as dangerous according to Directive 67/548/EEC.

#### 2.2 Label elements

This substance is not classified as dangerous according to Directive 67/548/EEC.

#### 2.3 Other hazards – none

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Synonyms : TXIB  
Formula : C 16 H 30 O 4  
Molecular Weight : 286,41 g/mol  
CAS-No. : 6846-50-0  
EC-No. : 229-934-9  
No components need to be disclosed according to the applicable regulations.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General advice:  
Consult a physician. Show this safety data sheet to the doctor in attendance.  
If inhaled  
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

# Everchem Specialty Chemicals

1400 N. Providence Road, Ste 302, Media, PA 19063, USA

Tel:(484)234-5030 Fax:(484)234-5037 www.everchem.com

---

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### **4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

#### **4.3 Indication of any immediate medical attention and special treatment needed**

no data available

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### **5.2 Special hazards arising from the substance or mixture**

Carbon oxides

#### **5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

#### **5.4 Further information**

no data available

### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapours, mist or gas.

For personal protection see section 8.

#### **6.2 Environmental precautions**

Do not let product enter drains.

#### **6.3 Methods and materials for containment and cleaning up**

Keep in suitable, closed containers for disposal.

# Everchem Specialty Chemicals

1400 N. Providence Road, Ste 302, Media, PA 19063, USA

Tel:(484)234-5030 Fax:(484)234-5037 www.everchem.com

---

## 6.4 Reference to other sections

For disposal see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Components with workplace control parameters

### 8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

# Everchem Specialty Chemicals

1400 N. Providence Road, Ste 302, Media, PA 19063, USA

Tel: (484) 234-5030 Fax: (484) 234-5037 www.everchem.com

---

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- a) Appearance Form: liquid
- b) Colour: colourless
- c) Odour Threshold no data available
- d) pH no data available
- e) Melting point/freezing point Melting point/range: -70 °C - lit.
- f) Initial boiling point and boiling range 280 °C - lit.
- g) Flash point 136 °C
- h) Evaporation rate no data available
- i) Flammability (solid, gas) no data available
- j) Upper/lower flammability or explosive limits
  - Upper explosion limit: 3,1 %(V)
  - Lower explosion limit: 0,48 %(V)
- k) Vapour pressure < 0,0 hPa at 25 °C
- l) Vapour density no data available
- m) Relative density 0,941 g/cm<sup>3</sup> at 25 °C
- n) Water solubility 0,0127 g/l at 27,5 °C - slightly soluble
- o) Partition coefficient: noctanol/water no data available
- p) Auto-ignition temperature 398 °C at 980 hPa
- q) Decomposition temperature no data available
- r) Viscosity no data available
- s) Explosive properties no data available
- t) Oxidizing properties no data available

### 9.2 Other safety information

Surface tension 27,8 mN/m at 22 °C

# Everchem Specialty Chemicals

1400 N. Providence Road, Ste 302, Media, PA 19063, USA

Tel:(484)234-5030 Fax:(484)234-5037 www.everchem.com

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

no data available

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - rat - female - > 2.000 mg/kg

LD50 Dermal - rabbit - male and female - > 2.000 mg/kg (OECD Test Guideline 402)

Skin corrosion/irritation

Skin - rabbit

Result: No skin irritation - 4 h (OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes - rabbit

Result: No eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitization no data available

Specific target organ toxicity - repeated exposure no data available

Aspiration hazard no data available

Additional Information

Repeated dose toxicity - rat - male - No observed adverse effect level - 150 mg/kg

RTECS: SA1420000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

# Everchem Specialty Chemicals

1400 N. Providence Road, Ste 302, Media, PA 19063, USA

Tel:(484)234-5030 Fax:(484)234-5037 www.everchem.com

---

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish static test LC50 - Pimephales promelas (fathead minnow) - > 1,55 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to algae Growth inhibition EC50 - Selenastrum capricornutum (green algae) - > 7,49 mg/l - 72 h (OECD Test Guideline 201)

### 12.2 Persistence and degradability

Biodegradability aerobic - Exposure time 28 d

Result: 70,73 % - Readily biodegradable. (OECD Test Guideline 301B)

Remarks: The 10 day time window criterion is not fulfilled.

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### 12.6 Other adverse effects

no data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

## SECTION 14: Transport information

### 14.1 UN number

ADR/RID: - IMDG: - IATA: -

### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### 14.3 Transport hazard class(es)

# Everchem Specialty Chemicals

1400 N. Providence Road, Ste 302, Media, PA 19063, USA

Tel:(484)234-5030 Fax:(484)234-5037 www.everchem.com

---

ADR/RID: - IMDG: - IATA: -

**14.4 Packaging group**

ADR/RID: - IMDG: - IATA: -

**14.5 Environmental hazards**

ADR/RID: no IMDG Marine pollutant: no IATA: no

**14.6 Special precautions for user**

no data available

**SECTION 15: Regulatory information**

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

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

no data available

**15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

**SECTION 16: Other information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.