



## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : E 11429  
Product Name : Ethyl acetate.

#### Manufacturer / supplier identification

Company : NICE Chemicals (P) Ltd. , Cochin , India  
Tel - 0484 2800212 , 2802755

Contact For Information : Tel . No. – 0484 2802536 Fax : 0484 2802483  
Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

---

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms: Acetic acid ethyl ester.

CAS-No : 1471-78-6 Ec-Index No. : 607-022-00-5

EC-No. : 205-500-4 Molecular Formula: C<sub>4</sub>H<sub>8</sub>O<sub>2</sub>

---

3. HAZARDS IDENTIFICATION: Highly flammable .

---

### 4. FIRST AID MEASURES

After inhalation : fresh air. If necessary mouth to mouth  
resuscitation or mechanical ventilation.

After skin contact: wash off with plenty of water .Remove contaminated clothing

After eye contact: rinse out with plenty of water . summon doctor.

After swallowing: Caution if victim vomits. Risk of aspiration!

Laxative: paraffin oil (3ml/Kg). Sodium sulphate ( 1tablespoon /1/4l water ) . No milk. No castor  
oil. Summon doctor.

---



## SAFETY DATA SHEET

---

**Catalogue No.** : E 11429  
**Product Name** : Ethyl acetate.

---

### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water, foam, powder

Special risks : combustible. Vapours heavier than air. Formation of explosible mixtures possible with air. Keep . Keep away from sources of ignition. Development of hazardous combustion gases or vapours possible in the event of fire. Beware of backfiring. The following may develop in the event of fire: ethanol, acetic acid.

Special protective equipment for fire fighting: Do not stay in dangerous zone without suitable chemical protection clothing and self contained breathing apparatus.

Other information : Take measures to prevent electrostatic charging. Cool container with spray water from a safe distance . Prevent fire fighting water from entering surface water or ground water.

---

### 6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning / absorption :

Take up with liquid absorbent material. Forward for disposal.  
Clean up affected area.

Person – related precautionary measures :

Do not inhale vapours/ aerosols. Ensure fresh air supply in enclosed rooms .

Environmental protection measures: Do not allow to enter sewage system; risk of explosion!

---



## SAFETY DATA SHEET

---

**Catalogue No.** : E 11429  
**Product Name** : Ethyl acetate.

---

### 7. HANDLING AND STORAGE

Handling : Take measures to prevent electrostatic charging.

Storage : Tightly closed . Dry . In a well ventilated place . Keep away  
from sources of ignition and heat. At +15 °C to +25 °C.

---

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : required when vapours/ aerosols are generated

Eye protection : required

Hand protection : required

Protective clothing should be selected for the working place depending on concentration and quantity of the hazardous substance handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Industrial hygiene : Change contaminated clothing . Application of skin protective barrier cream recommended .

Wash hands after working with substance .

---

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Colour : colourless

Odour : fruit like

PH value : not available

Melting temperature : -83 °C

Boiling temperature : 77 °C



## SAFETY DATA SHEET

---

**Catalogue No.** : E 11429  
**Product Name** : Ethyl acetate.

---

Ignition temperature : 460 °C  
Flash point : -4 °C  
Explosion limits lower : 2.1 Vol %  
Upper : 11.5 Vol %  
Relative vapour density : Not available  
Density (20°C) : 0.90 g/cm<sup>3</sup>  
Solubility in water (20°C) : 79 g/l

---

### 10. STABILITY AND REACTIVITY

Conditions to be avoided : Heating.

Substance to be avoided : strong oxidising agent , alkali metals,  
water with air and light, fluorine, hydrides

Hazardous decomposition products : acetic acid, ethanol.

Further information: light sensitive; sensitive to air.

Unsuitable working materials: various plastics, rubber;

Explosible with air in a vaporous / gaseous state.

---

### 11. TOXICOLOGICAL INFORMATION

Acute toxicity: LD<sub>50</sub> (oral, rat): 5620 mg/Kg

Subacute to chronic toxicity: an embryo toxic effect need not be  
feared when the threshold limit value is observed.

Further toxicological information

After swallowing and inhalation: mucosal irritations, lack of  
appetite, head ache.



## SAFETY DATA SHEET

---

**Catalogue No.** : E 11429  
**Product Name** : Ethyl acetate.

---

In high concentrations: salivation, nausea, vomiting, narcosis, respiratory paralysis.

After skin contact: degreasing effect on the skin, possibly followed by secondary inflammation.

After long term exposure to the chemical: Sensitization with allergic manifestations.

The product should be handled with the care usual when dealing with chemicals.

---

**12. ECOLOGICAL INFORMATION** : Ecotoxic effects: biologic effects

Toxic effect on fish and plankton. Risk of formation of explosive vapours above water surface.

When used properly, no impairments in the function of wastewater treatment plants are to be expected.

Toxic for aquatic organisms.

Fish toxicity: LC<sub>50</sub> : 333 mg/l;

Daphnia toxicity: Daphnia EC<sub>0</sub> : 2306 mg/l/24h;

Algal toxicity: M.aeruginosa EC<sub>0</sub> : 550 mg/l;

Bacterial toxicity: Ps. Putida EC<sub>0</sub> : 650 mg/l;

Further ecologic data : BOD<sub>5</sub>: 0.293 g/g; COD: 1.816g/g;

ThOD: 1.82 g/g;

Product reacts with water. Fish EC<sub>0</sub> : 50 mg/l ( acetic acid)

Biologic degradation: Biological degradability:

good, easily eliminable. Behaviour in environmental

compartments: Distribution : log P(oct): 0.66;

---



## SAFETY DATA SHEET

---

**Catalogue No.** : **E 11429**  
**Product Name** : **Ethyl acetate.**

---

### 13. DISPOSAL METHOD

There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Disposal in compliance with official regulations. Handle contaminated packaging as in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

---

### 14. TRANSPORT INFORMATION

Transport over land

ADR/RID and GGVS/GGVE : GGVS/GGVE class: 3                      Number and letter:3b

ADR/RID class : 3                      Number and letter:3b

Name of material : ETHYL ACETATE

River transport AND/ADNR: Not examined

Sea transport IMDG : IMDG class:3.2      UN –No.:1173      Packaging group: II

Ems : 3-07                      MFAG: 330

Correct technical name: ETHYL ACETAE

Air transport

ICAO-TI and IATA-DGR:              ICAO/IATA class: 3              UN/ID-No.: 1173      Packaging

group: II

Correct technical name: ETHYLACETAE

---



## SAFETY DATA SHEET

---

**Catalogue No.** : E 11429  
**Product Name** : Ethyl acetate.

---

### 15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : F Highly flammable

R- Phrases : 11 Highly flammable .

S-phrases : 16-23-29-33 Keep away from sources of ignition. No smoking. Do not breathe vapour. Do not empty into drains. Take precautionary measures against static discharges.

Water pollution class : 1 (slightly polluting substance)

---

### 16. OTHER INFORMATION

Reason for alteration

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

---