

MATERIAL SAFETY DATA SHEET

According to EC Directive 2001/58/EC

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

Product type: Reagent for parasitology
Product name: Ethyl Acetate
Catalogue number(s): 8487/B
Manufacturer, importer, supplier: Biosepar GmbH.
Am Industriepark 3, D-84453 Mühldorf am Inn
Tel.: +49 (0)8631 167 48 55, Fax: +49 (0)8631 167 48 57
E-mail: mail@biosepar.de, Internet: www.biosepar.de

Emergency telephone number:
International emergency: Contact local authorities
Intended use: InVitro Diagnostic Medical Device

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nature of the preparation

CAS	Chemical Name	% Weight	Classification:	EINECS*
141-78-6	Ethyl Acetate	99	F Xi; R11 R36 R66 R67	205-500-4

* EINECS - EINECS

For the full text of the R phrases mentioned in this Section, see Section 16

3. HAZARDS IDENTIFICATION

Classification: Xi - Irritant.F - Highly flammable

Most important hazards

- Highly flammable
- Irritating to eyes
- Repeated exposure may cause skin dryness or cracking
- Vapors may cause drowsiness and dizziness

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According to EC Directive 2001/58/EC

4. FIRST AID MEASURES

General advice	> Show this safety data sheet to the doctor in attendance > Avoid contact with skin, eyes and clothing
Skin contact	> Wash off immediately with soap and plenty of water > Contact with skin may cause irritation > If skin irritation persists, seek medical attention
Eye contact	> Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes > If eye irritation persists, seek medical attention
Inhalation	> Move to fresh air > If exposure symptoms persist, seek medical attention
Ingestion	> Call a physician or Poison Control Centre immediately
Notes to physician	> Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flash point	-4,4 °C
Suitable extinguishing media	carbon dioxide (CO ₂) alcohol-resistant foam dry chemical
Extinguishing media which must not be used for safety reasons	No information available
Special protective equipment for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific methods	Cool containers / tanks with water spray

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Ensure adequate ventilation especially in confined areas Remove all sources of ignition
Environmental precautions:	Prevent product from entering drains
Methods for cleaning up:	Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container After cleaning, flush away traces with water Take precautionary measures against static discharge

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According to EC Directive 2001/58/EC

7. HANDLING AND STORAGE

Handling

Safe handling advice: Keep away from heat and flame
Take precautionary measures against static discharges
Avoid contact with skin and eyes. Take necessary personal protective precautions before using this product.

Storage

Technical measures/precautions: Store in a tightly closed container
Store in a cool, dry, well ventilated area away from incompatible substances
Keep away from heat
Incompatible products: Avoid strong acids, oxidizing agents
Occupational exposure controls
Engineering measures

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ensure adequate ventilation, especially in confined areas. As a rule, at least 10 air changes per hour are recommended at the workplace.

Exposure Limit Values

CAS	Chemical Name	% Weight	ACGIH*	FOEL*	EUOED*
141-78-6	Ethyl Acetate	99	400 ppm TWA	N/A	N/A

* ACGIH - Occupational Exposure Limits - TWAs

* FOEL - France Occupational Exposure Limits - TWA's (VME's)

* EUOED - EU Occupational Exposure Directive (98/24/EC) Indicative Occupational Exposure Limit Values (IOELV)

Personal protective equipment

Respiratory protection: avoid inhalation of vapors
Hand protection : wear appropriate protective gloves
Eye protection: wear tightly fitting safety goggles or safety glasses with side-shields
Skin and body protection: light weight protective clothing to protect exposed skin
Hygiene measures: handle in accordance with good industrial hygiene and safety practice
keep away from food, drink and animal feeding stuffs
Environmental exposure controls: no information available

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9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Form: liquid
Colour: colourless
Odour: fruity

Important health safety and environmental information

pH: N/D
Boiling point/range: 77°C
Flash point: -4.40°C
Water solubility: 7.8%

10. STABILITY AND REACTIVITY

Stability :	Stable under normal conditions
Conditions to avoid:	Extremes of temperature and direct sunlight
Materials to avoid:	Copper and aluminum, reducing agents, and bases
Hazardous decomposition products:	None under normal use
Polymerization:	Polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity component information

Product information

LD50/dermal/rat =:	No information available
LD50/oral/rat =:	No information available
Chronic toxicity:	Avoid repeated exposure
Carcinogenic effects:	No information available
Mutagenic effects:	No information available
Reproductive toxicity:	No information available
Target organ effects:	No information available

MATERIAL SAFETY DATA SHEET

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12. ECOLOGICAL INFORMATION

Component information

CAS	Chemical Name	ACGIH*
141-78-6	Ethyl Acetate	400 ppm TWA

* ACGIH - Occupational Exposure Limits - TWA's

Ecotoxicity effect: No information available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: In accordance with local and national regulations
Contaminated packaging: Empty containers should be rinsed and disposed of as appropriate for glass and plastic containers

Further information

14. TRANSPORT INFORMATION

DOT Flammable Liquid, n.o.s. Technical Name: (Ethyl Acetate) UN1173, Hazard Class 3, PKG II

IATA Flammable Liquid, n.o.s. Technical Name: (Ethyl Acetate) UN1173, Hazard Class 3, PKG II

15. REGULATORY INFORMATION

Contains

Indication of danger Xi - Irritant.F - Highly flammable

R -phrase(s) R11 - Highly flammable. R36 - Irritating to eyes. R66 - Repeated exposure may cause skin dryness or cracking. R67 - vapors may cause drowsiness and dizziness

S -phrase(s) S16 - Keep away from sources of ignition - No smoking. S29 - Do not empty into Drains



International inventories

CAS	Chemical name	% Weight	TSCA*	EINECS	DSL-Canada*	ENCS*
141-78-6	Ethyl Acetate	99	T	205-500-4	Present	2-726

* TSCA - United States - Section 8 (b) Inventory (TSCA)

* EINECS - EINECS

* DSL - Canada - Domestic Substances List (DSL)

* ENCS - Japan Existing and New Chemical Substances (ENCS)

MATERIAL SAFETY DATA SHEET

According to EC Directive 2001/58/EC

16. OTHER INFORMATION

Text of R phrases mentioned in Section 2

R36 - Irritating to eyes. R67 - vapors may cause drowsiness and dizziness. R66 - Repeated exposure may cause skin dryness or cracking. R11 - Highly flammable.

Prepared on: 2006/03/17

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Meridian Bioscience Europe shall not be held liable for any damages resulting from handling or from contact with the above product.

This revised MSDS sheet supersedes version 07/08/05. In this revision the Risk and Safety Phrases have been re-evaluated (added) and it has been reformatted to be more compliant with Commission Directive 2001/58/EC.

End of safety data sheet