

EU-SAFETY DATA SHEET

Amendment date: 31.10.2002

Date of Printing: 12.10.2007

EU-SDB20780A

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FRAME CLEANER

1. Substance / preparation and company name

Product name:

FRAME CLEANER

Supplier:

SHERA Werkstoff-Technologie

GmbH & Co. KG

Espohlstr. 53

49448 Lemförde

Germany

Tel.: +49 54 43 - 99 33 - 0

Fax: +49 54 43 - 99 33 - 100

2. Composition / Details of components

Chemical characteristics

Acetic acid ethyl esters

Hazardous ingredients

Designation: Acetic acid ethyl esters.

3. Possible dangers

Designation of dangers

F Highly flammable

Xi Irritating

Special hazard warnings for humans and environment

R 11 Highly flammable

R 36 Irritating to eyes

R 66 Repeated exposure may cause skin dryness or cracking.

R 67 Vapours may cause drowsiness and dizziness.

4. First aid

After skin contact

In case of contact with skin immediately wash with plenty of water and soap.

After eye contact

In case of contact with eyes immediately rinse out thoroughly under running water and seek medical attention.

After ingestion

In case of ingestion rinse out mouth thoroughly, afterwards drink plenty of water and seek medical attention.

After inhalation

Fresh air

5. Fire fighting

Suitable fire fighting agents

Foam / powder

6. Action in the event of accidental release

Person-related precautionary measures

Avoid contact with eyes and skin. Avoid formation of aerosol, ensure fresh air in closed rooms.

Environmental measures and cleaning

Wash off with plenty of water or pick up with a cloth and dispose of.

7. Handling and storage

Handling

Tips on safe handling

Avoid contact with eyes and skin.

Only use the product in a glass container with lid.

Tips for protection against fire and explosion

Avoid formation of aerosol.

Storage

Requirements on stockrooms and containers

The temperature in stockroom should not exceed +25°C.

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WERKSTOFF
TECHNOLOGIE

FRAME CLEANER

8. Exposure limits and personal safety equipment

Constituents with occupational exposure limits that require monitoring

CAS no.	designation	type	value, unit
141-78-6	Acetic acid ethyl esters	MAK	400 ml/m ³

Personal protective equipment

Respiratory protection

Necessary if vapours occur.

Hands protection

Wear protective gloves made of rubber.

Eye protection

Wear protective goggles.

Protection and hygiene measures

The precautionary measures of handling chemicals are to be observed.

9. Physical and chemical properties

Appearance

Form: liquid

Colour: clear, red

Odour: fruity

Safety related data

Boiling point/Boiling range approx. 80°C

Flashpoint - 4°C

Explosion limit inferior 2% vol.-%

Explosion limit superior 12 vol.-%

Density at 20°C 0.90 g/ml

Solubility in water at 20°C approx. 80g/l

pH value not available

Viscosity dynamic at 20°C not determined

10. Stability and reactivity

Substances to be avoided

Strong oxidants.

Conditions to be avoided

Heating.

Hazardous products of decomposition

Acetic acid, ethanol.

11. Toxicology information

Acute toxicity

Component	Acetic acid ethyl esters	
LD50 (oral, rat):	5620 mg/kg.	Source: literature
LD50 (dermal, rabbit):	> 18000 mg/kg.	Source: literature
LC50 (inhalational, rat):	1600 ppm(V) /8 h.	Source: literature
Test about skin irritation (rabbit):	No irritation.	Source: literature

Further information about toxicology

After ingestion and inhalation

Mucous membrane irritation, absence of appetite, headache, drowsiness and dizziness.

After eye contact

Irritations.

12. Ecology information

General information

Biological degradation

Biologically easy degradable. Product react with water.

Ecotoxic effects

Biological effects

Toxicity for fishes and plankton. In case of proper use, no imbalances in clarification plants are to be expected. Do not let reach bigger quantities in waters, waste water or soil!

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12. Ecology information (continuation)

Water pollution class

WPC: 1 (self assessment)

13. Disposal instructions

Product

Smaller product quantities can be disposed of with plenty of water.

In case of bigger rest quantities, please contact the responsible department (authority or waste processing industry) where you can receive information about recovery or disposal.

Packaging

Disposal according to official regulations. Contaminated packagings have to be treated like the product. Unless there are no official regulations, non-contaminated packaging can be treated as normal household waste or can be recycled.

14. Transport information

Transport by land ADR/RID and GGVS/GGVE

GGVS/GGVE class: 3 (flammable liquid substances)

Figure and letter: 3b

ADR/RID class: 3 (flammable liquid substances)

Figure and letter: 3b

The transport regulations are cited according to the international regulations and according to the form they are applicable in Germany (GGVS/GGVE).

Possible variations in other countries are not considered.

15. Regulations

Designation according to EU Directives

Marking letter and danger description

F Highly flammable

Xi Irritating

R-phrases

R 11-36-66-67 Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

S-phrases

S 16-26-33 Keep away from sources of ignition - No smoking. In case of contact with eyes immediately rinse out thoroughly with water and seek medical attention. Take measures against electrostatic charges.

National regulations

Classification according to VbF: A1

Water pollution class: 1 (self assessment)

16. Other information

This information is based on the state of knowledge and experience pertaining on the date of issue. The information is not to be taken as a guarantee of general properties. It should neither be changed nor transferred to other products. Duplication in an unchanged state is permissible.