1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Catalogue No.: 822053
Product name: Phenyl acetate for synthesis

Manufacturer/supplier identification

Company: Dr. Theodor Schuchardt & Co * 85662 Hohenbrunn * Germany *
Tel: +49 8102/802-0
Emergency telephone No.: Please contact the regional Merck representation in your country.

2. Composition/information on ingredients

Synonyms
Acetic acid phenyl ester

CAS-No.: 122-79-2
M: 136.15 g/mol
Molecular formula: C₈H₈O₂

EC-No.: 204-575-0

3. Hazards identification

Harmful if swallowed.

4. First aid measures

After skin contact: wash off with plenty of water. Remove contaminated clothing.
After eye contact: rinse out with plenty of water for at least 10 minutes with the eyelid held wide open. Summon eye specialist. After inhalation: fresh air.
After swallowing: make the victim drink plenty of water, induce vomiting. Summon doctor.

5. Fire-fighting measures

Suitable extinguishing media:
Water, CO₂, foam, powder.

Special risks:
Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.
Formation of explosive mixtures possible with air. The following may develop in event of fire: phenol

6. Accidental release measures

Take up with liquid-absorbent material (e.g. Chemizorb®). Forward for disposal. Clean up affected area.

Environmental-protection measures:
Do not allow to enter sewerage system.
7. Handling and storage

Handling:
No further requirements.

Storage:
tightly closed; in a well-ventilated place. Take measures to prevent electrostatic charging.
Tightly closed.

8. Exposure controls/personal protection

Personal protective equipment:
Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.
Respiratory protection: required when vapours/aerosols are generated.
Eye protection: required
Hand protection: required Neopren gloves.
Industrial hygiene:
Change contaminated clothing. Wash hands after working with substance.

9. Physical and chemical properties

Form: liquid
Colour: colourless
Odour: characteristic
pH value not available
Melting point not available
Boiling point 196 °C
Ignition temperature > 450 °C
Flash point 79 °C
Explosion limits lower not available upper not available
Density (20 °C) 1.08 g/cm³
Solubility in water (20 °C) insoluble

10. Stability and reactivity

Conditions to be avoided
no information available

Substances to be avoided
no information available

Hazardous decomposition products
in the event of fire: See chapter 5.
11. Toxicological information

Acute toxicity
LD₅₀ (oral, rat): 1630 mg/kg
LD₅₀ (dermal, rabbit): 8000 mg/kg

Further toxicological information
The data available to us do not suffice to permit any industrial-toxicological assessment. Hazardous properties cannot be excluded.

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

12. Ecological information
Do not allow to enter waters, waste water, or soil!

13. Disposal considerations

Product:
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.

Packaging:
Disposal in compliance with official regulations. Handle contaminated packaging 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
Not subject to transport regulations.

15. Regulatory information

Labelling according to EC Directives
Symbol: Xn  Harmful
R-phrases: 22  Harmful if swallowed.
S-phrases: ---

16. Other information

Reason for alteration
General update.

Regional representation:
This information is given on the authorised Safety Data Sheet for your country.
The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.