

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Benzo(a)pyrene standard solution

Revision: 29.10.2025

Product code: AC18.13365

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

1.1. Product identifier

Benzo(a)pyrene standard solution

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

Use of the substance/mixture

Reagents and laboratory chemicals
Only for laboratory and analysis purposes.

Uses advised against

Do not use for private purposes (household).

1.3. Details of the supplier of the safety data sheet

Details of the supplier of the safety data sheet

Company name: AnalytiChem Services, Unipessoal, Lda
Street: Rua de Júlio Dinis 676 7º
Place: N-4050-320 Porto
Telephone: +351 226002917
E-mail: info@analytichem.com
Contact person: SDS service department
E-mail: SDS@analytichem.com
Internet: www.analytichem.com
Responsible Department: SDS service department

Supplier or manufacturer details

Company name: AnalytiChem Belgium NV
Street: Industriezone "De Arend" 2
Place: B-8210 Zedelgem
Telephone: +32 50 28 83 20
E-mail: info.be@analytichem.com
Contact person: SDS service department
E-mail: SDS@analytichem.com
Responsible Department: AnalytiChem:
EU-Belgium: AnalytiChem Belgium, Industriezone "De Arend" 2, 8210 Zedelgem, Belgium, +32 50 28 83 20
EU-Germany: AnalytiChem Germany, Stempelstrasse 6, 47167 Duisburg, Germany, +49 203 51 94 – 200
EU-Netherlands: AnalytiChem Netherlands, Communicatieweg 7, 3641 SG Mijdrecht, The Netherlands, +31 297 286848
UK: AnalytiChem UK, Unit 7 Launton Business Center, Murdock Road, Bicester, OX26 4XB, England, +44 1869 355 500
USA: AnalytiChem USA, 227 China Road, Winslow, Maine, 04901, United States, +1 800-244-8378
Canada: AnalytiChem Canada, 21800 Clark Graham Avenue, Baie d'Urfe, H9X 4B6, Canada, +1 514-457-0701
Australia: ORE Research & Exploration Pty Ltd, 37A Hosie Street, Bayswater North, 3153, Australia, +61 3 9729 0333
+353 1 901 4670 (CHEMTREC)

1.4. Emergency telephone number:

Further Information

No data available

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture**Regulation (EC) No 1272/2008**

Flam. Liq. 2; H225

Carc. 1B; H350

Muta. 1B; H340

Eye Irrit. 2; H319

STOT SE 3; H336

Full text of hazard statements: see SECTION 16.

2.2. Label elements**Regulation (EC) No 1272/2008****Hazard components for labelling**

acetone

benzo[a]pyrene; benzo[def]chrysene

Signal word:

Danger

Pictograms:**Hazard statements**

H225

Highly flammable liquid and vapour.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

H340

May cause genetic defects.

H350

May cause cancer.

Precautionary statements

P201

Obtain special instructions before use.

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280

Wear protective gloves/protective clothing and eye protection/face protection.

P308+P313

IF exposed or concerned: Get medical advice/attention.

P403+P235

Store in a well-ventilated place. Keep cool.

Special labelling of certain mixtures

EUH066

Repeated exposure may cause skin dryness or cracking.

EUH208

Contains benzo[a]pyrene; benzo[def]chrysene. May produce an allergic reaction. Restricted to professional users.

2.3. Other hazards

The mixture contains the following substances fulfilling the PBT criteria according to REACH, annex XIII:
benzo[a]pyrene; benzo[def]chrysene.

The mixture contains the following substances fulfilling the vPvB criteria according to REACH, annex XIII:
benzo[a]pyrene; benzo[def]chrysene.
No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Relevant ingredients

| CAS No | Chemical name | | | Quantity |
|---------|---|--------------|------------------|--------------|
| | EC No | Index No | REACH No | |
| | Classification (Regulation (EC) No 1272/2008) | | | |
| 67-64-1 | acetone | | | 95 - < 100 % |
| | 200-662-2 | 606-001-00-8 | 01-2119471330-49 | |
| | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066 | | | |
| 50-32-8 | benzo[a]pyrene; benzo[def]chrysene | | | < 1 % |
| | 200-028-5 | 601-032-00-3 | | |
| | Carc. 1B, Muta. 1B, Repr. 1B, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H350 H340 H360FD H317 H400 H410 | | | |

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|---------|--|------------------------------------|--------------|
| | Specific Conc. Limits, M-factors and ATE | | |
| 67-64-1 | 200-662-2 | acetone | 95 - < 100 % |
| | dermal: LD50 = > 7426 mg/kg; oral: LD50 = 5800 mg/kg | | |
| 50-32-8 | 200-028-5 | benzo[a]pyrene; benzo[def]chrysene | < 1 % |
| | Carc. 1B; H350: >= 0,01 - 100 | | |

Further Information

No data available

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection!

After inhalation

Provide fresh air.

If breathing is irregular or stopped, administer artificial respiration.

Call a physician immediately.

After contact with skin

Wash immediately with: Water

Take off immediately all contaminated clothing and wash it before reuse.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Remove contact lenses, if present and easy to do. Continue rinsing.

Protect uninjured eye.

After ingestion

Observe risk of aspiration if vomiting occurs.

Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

Irritant, Dizziness, Anaesthetic state

Vomiting, Headache, Dizziness

Gastrointestinal complaints, Corneal opacity.

Has degreasing effect on the skin.

Repeated exposure may cause skin dryness or cracking.

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May cause drowsiness or dizziness.

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**

Carbon dioxide (CO₂).

Foam.

Extinguishing powder

Unsuitable extinguishing media

no restriction

5.2. Special hazards arising from the substance or mixture

Combustible liquid.

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Hazardous combustion products

In case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide

Beware of reignition.

5.3. Advice for firefighters

Remove persons to safety. Do not inhale explosion and combustion gases.

Avoid contact with skin, eyes and clothes.

In case of fire: Wear self-contained breathing apparatus.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Additional information

Danger of bursting container.

Use water spray jet to protect personnel and to cool endangered containers.

Suppress gases/vapours/mists with water spray jet.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Keep away from sources of ignition - No smoking.

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

Take action to prevent static discharges.

For non-emergency personnel

Provide adequate ventilation.

Use personal protection equipment.

Avoid contact with skin, eyes and clothes.

Remove persons to safety.

Emergency procedures

Consult an expert

Do not breathe dust/fume/gas/mist/vapours/spray.

For emergency responders

Precautionary statements For emergency responders : Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

Danger of explosion

6.3. Methods and material for containment and cleaning up**For containment**

Cover drains.

Prevent spread over a wide area (e.g. by containment or oil barriers).

Collect in closed and suitable containers for disposal.

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up

Clean contaminated articles and floor according to the environmental legislation.

Other information

Provide adequate ventilation.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Read label before use. Handle and open container with care.

When using do not eat, drink, smoke, sniff. Keep container tightly closed.

Use personal protection equipment. Use extractor hood (laboratory).

Do not breathe vapour/aerosol. Provide adequate ventilation.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

Vapours can form explosive mixtures with air.

Advice on general occupational hygiene

Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Keep away from food, drink and animal feedingstuffs.

Take off immediately all contaminated clothing.

Wash hands before breaks and after work.

The choice of body protection depends on the concentration and quantity of hazardous substances. The chemical resistance of protective agents must be clarified with their suppliers.

Further information on handling

Take off immediately all contaminated clothing and wash it before reuse.

Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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Hints on joint storage

Do not store together with: Oxidising agent. Pyrophoric or self-heating substances.

Further information on storage conditions

Keep cool. Protect from sunlight.

Protect against: Light

7.3. Specific end use(s)

Laboratory chemicals

Only for laboratory and analysis purposes.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational exposure limits**

| CAS No | Substance | ppm | mg/m ³ | fib/cm ³ | Category | Origin |
|---------|-----------|-----|-------------------|---------------------|-----------|--------|
| 67-64-1 | Acetone | 500 | 1210 | | TWA (8 h) | |

Biological limit values

| CAS No | Substance | Parameter | Value | Test material | Sampling time |
|---------|-----------|-----------|---------|---------------|---------------|
| 67-64-1 | Acetone | Acetone | 50 mg/L | Urine | End of shift |

DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|-----------|----------------|----------|------------------------|
| 67-64-1 | acetone | | | |
| Worker DNEL, long-term | | inhalation | systemic | 1210 mg/m ³ |
| Worker DNEL, acute | | inhalation | local | 2420 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 186 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 200 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 62 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 62 mg/kg bw/day |

PNEC values

| CAS No | Substance | Value |
|--|-----------|------------|
| 67-64-1 | acetone | |
| Freshwater | | 10,6 mg/l |
| Freshwater (intermittent releases) | | 21 mg/l |
| Marine water | | 1,06 mg/l |
| Freshwater sediment | | 30,4 mg/kg |
| Marine sediment | | 3,04 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 100 mg/l |
| Soil | | 29,5 mg/kg |

Additional advice on limit values

Observe in addition any national regulations!

8.2. Exposure controls

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Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Do not breathe vapour/aerosol.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Suitable eye protection: goggles.

Hand protection

Tested protective gloves must be worn

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Skin protection

Wear suitable protective clothing.

Wash hands before breaks and after work.

Respiratory protection

Respiratory protection necessary at: aerosol or mist formation

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Thermal hazards

No data available

Environmental exposure controls

Do not allow to enter into surface water or drains.

Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches.

Danger of explosion

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | |
|---|-------------------|
| Physical state: | Liquid |
| Colour: | No data available |
| Odour: | fruity |
| Odour threshold: | No data available |
| Melting point/freezing point: | No data available |
| Boiling point or initial boiling point and boiling range: | ~56 °C |
| Flammability: | No data available |
| Lower explosion limits: | No data available |
| Upper explosion limits: | No data available |
| Flash point: | <-20 °C |
| Auto-ignition temperature: | ~465 °C |
| Decomposition temperature: | No data available |
| pH-Value: | No data available |
| Viscosity / kinematic: | No data available |
| Water solubility: | No data available |
| Solubility in other solvents | |
| No data available | |
| Dissolution rate: | No data available |
| Partition coefficient n-octanol/water: | No data available |
| Dispersion stability: | No data available |

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| | |
|--------------------------------|-------------------|
| Vapour pressure: (at 20 °C) | ~240 hPa |
| Vapour pressure: | No data available |
| Density: | No data available |
| Relative density: | No data available |
| Bulk density: | No data available |
| Relative vapour density: | No data available |

9.2. Other information**Information with regard to physical hazard classes****Explosive properties**

Vapours can form explosive mixtures with air.

Sustained combustibility:

Sustained combustibility

Self-ignition temperature

Solid:

not applicable

Gas:

not applicable

Oxidizing properties

No data available

Other safety characteristics

Evaporation rate:

No data available

Solvent separation test:

No data available

Solvent content:

No data available

Solid content:

No data available

Sublimation point:

No data available

Softening point:

No data available

Pour point:

No data available

No data available:

Viscosity / dynamic:

No data available

Flow time:

No data available

Further Information

No data available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Highly flammable.

Vapours can form explosive mixtures with air.

10.2. Chemical stability

Protect against:

Light

Air

10.3. Possibility of hazardous reactions

Ignition hazard:

Fluorine, Oxidising agent, strong; chromium trioxide

Reducing agent, strong; Nitric acid

Danger of explosion:

Chloroform, peroxides, for example hydrogen peroxide

Exothermic reaction with:

Bromine, Alkali metals

Hydrogen halide, Sulphur dichloride

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10.4. Conditions to avoid

Heat
Light
Air

10.5. Incompatible materials

Rubber articles
Plastic articles

10.6. Hazardous decomposition products

in case of fire, see:
SECTION 5: Firefighting measures

Further information

No data available

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

Based on available data, the classification criteria are not met.
Mucous membrane irritation in the mouth, throat, esophagus and gastrointestinal tract.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

| CAS No | Chemical name | | | | |
|---------|----------------|-------------------|---------|---|--|
| | Exposure route | Dose | Species | Source | Method |
| 67-64-1 | acetone | | | | |
| | oral | LD50 5800 mg/kg | Rat | J Toxicol Environ Health 15: 609-621 (19) | Undiluted acetone applied to female rats |
| | dermal | LD50 > 7426 mg/kg | Rabbit | Toxicol Appl Pharmacol 7: 559-565. (1965) | other: Code of federal regulations: 21 C |

Irritation and corrosivity

Serious eye damage/eye irritation: Causes serious eye irritation.
Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Repeated exposure may cause skin dryness or cracking.
Has degreasing effect on the skin.
Repeated exposure may cause skin dryness or cracking.

Sensitising effects

Based on available data, the classification criteria are not met.
Contains benzo[a]pyrene; benzo[def]chrysene. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

May cause cancer. (benzo[a]pyrene; benzo[def]chrysene)
May cause genetic defects. (benzo[a]pyrene; benzo[def]chrysene)
Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness. (acetone)

STOT-repeated exposure

Based on available data, the classification criteria are not met.

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Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No data available

Additional information on tests

No data available

Practical experience

No data available

11.2. Information on other hazards**Endocrine disrupting properties**

No data available

Other information

No data available

Further information

Irritant, Dizziness, Anaesthetic state

Vomiting, Headache, Dizziness

Gastrointestinal complaints, Corneal opacity.

Has degreasing effect on the skin.

Repeated exposure may cause skin dryness or cracking.

May cause drowsiness or dizziness.

SECTION 12: Ecological information**12.1. Toxicity**

Based on available data, the classification criteria are not met.

| CAS No | Chemical name | | | | | |
|---------|--------------------------|------------------|-----------|--|--|--|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 67-64-1 | acetone | | | | | |
| | Acute fish toxicity | LC50 mg/l | 8120 | 96 h Pimephales promelas | Publication (1984) | OECD Guideline 203 |
| | Acute crustacea toxicity | EC50 mg/l | 8800 | 48 h Daphnia pulex | Publication (1978) | The toxicity of acetone towards daphnids |
| | Crustacea toxicity | NOEC mg/l | 2212 | 28 d Daphnia magna | Arch Environm Contam Toxicol 12: 305-310 | Study conducted comparable to OECD 211 w |
| | Acute bacteria toxicity | EC50 mg/l () | 61150 | 0,5 h activated sludge of a predominantly domestic sewage | Water Res 26: 887-892 (1992) | ISO 8192 |

12.2. Persistence and degradability

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|---------|------------------------------------|---------|
| 67-64-1 | acetone | -0,23 |
| 50-32-8 | benzo[a]pyrene; benzo[def]chrysene | 6,13 |

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BCF

| CAS No | Chemical name | BCF | Species | Source |
|---------|---------------|-----|---------|----------------------|
| 67-64-1 | acetone | 3 | | Unpublished calculat |

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

The mixture contains the following substances fulfilling the PBT criteria according to REACH, annex XIII:
benzo[a]pyrene; benzo[def]chrysene.

The mixture contains the following substances fulfilling the vPvB criteria according to REACH, annex XIII:
benzo[a]pyrene; benzo[def]chrysene.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

Avoid release to the environment.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Dispose of contents/container to hazardous or special waste collection point.

Do not allow to enter into surface water or drains.

Contaminated packaging

This material and its container must be disposed of as hazardous waste.

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**Land transport (ADR/RID)**

| | |
|--|---------|
| 14.1. UN number or ID number: | UN 1090 |
| 14.2. UN proper shipping name: | ACETONE |
| 14.3. Transport hazard class(es): | 3 |
| 14.4. Packing group: | II |
| Hazard label: | 3 |
| Classification code: | F1 |
| Limited quantity: | 1 L |
| Excepted quantity: | E2 |
| Transport category: | 2 |
| Hazard No: | 33 |
| Tunnel restriction code: | D/E |

Inland waterways transport (ADN)

| | |
|--|---------|
| 14.1. UN number or ID number: | UN 1090 |
| 14.2. UN proper shipping name: | ACETONE |
| 14.3. Transport hazard class(es): | 3 |
| 14.4. Packing group: | II |
| Hazard label: | 3 |
| Classification code: | F1 |
| Limited quantity: | 1 L |
| Excepted quantity: | E2 |

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Marine transport (IMDG)

| | |
|--|----------|
| 14.1. UN number or ID number: | UN 1090 |
| 14.2. UN proper shipping name: | ACETONE |
| 14.3. Transport hazard class(es): | 3 |
| 14.4. Packing group: | II |
| Hazard label: | 3 |
| Special Provisions: | - |
| Limited quantity: | 1 L |
| Excepted quantity: | E2 |
| EmS: | F-E, S-D |

Air transport (ICAO-TI/IATA-DGR)

| | |
|--|---------|
| 14.1. UN number or ID number: | UN 1090 |
| 14.2. UN proper shipping name: | ACETONE |
| 14.3. Transport hazard class(es): | 3 |
| 14.4. Packing group: | II |
| Hazard label: | 3 |
| Limited quantity Passenger: | 1 L |
| Passenger LQ: | Y341 |
| Excepted quantity: | E2 |
| IATA-packing instructions - Passenger: | 353 |
| IATA-max. quantity - Passenger: | 5 L |
| IATA-packing instructions - Cargo: | 364 |
| IATA-max. quantity - Cargo: | 60 L |

14.6. Special precautions for user

Warning: Combustible liquid.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):

benzo[a]pyrene; benzo[def]chrysene

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 29, Entry 30, Entry 40, Entry 50, Entry 72, Entry 75

Information according to Directive P5c FLAMMABLE LIQUIDS

2012/18/EU (SEVESO III):

Marketing and use of explosives precursors (Regulation (EU) 2019/1148):

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

Additional information

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. According to directive 94/33/EC, juveniles are only allowed to handle this product as long as all effects of dangerous substances are prevented.

National regulatory information

SECTION 16: Other information

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Abbreviations and acronyms

Flam. Liq. 2: Flammable liquids, hazard category 2
Eye Irrit. 2: Eye irritation, hazard category 2
Skin Sens. 1: Skin sensitisation, hazard category 1
Muta. 1B: Germ cell mutagenicity, hazard category 1B
Carc. 1B: Carcinogenicity, hazard category 1B
Repr. 1B: Reproductive toxicity, hazard category 1B
STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3
Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

| Classification | Classification procedure |
|--------------------|--------------------------|
| Flam. Liq. 2; H225 | On basis of test data |
| Carc. 1B; H350 | Calculation method |
| Muta. 1B; H340 | Calculation method |
| Eye Irrit. 2; H319 | Calculation method |
| STOT SE 3; H336 | Calculation method |

Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H340 May cause genetic defects.
H350 May cause cancer.
H360FD May damage fertility. May damage the unborn child.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.
EUH208 Contains benzo[a]pyrene; benzo[def]chrysene. May produce an allergic reaction.

Further Information

Provide appropriate information, instructions and training to users

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Benzo(a)pyrene standard solution

Revision: 29.10.2025

Product code: AC18.13365

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(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)