

Safety Data Sheet

according to UK REACH Regulation

Phenolphthalein indicator solution 1 % in methanol

Revision date: 28.02.2024

Product code: 03156

Page 1 of 14

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

1.1. Product identifier

Phenolphthalein indicator solution 1 % in methanol

UFI: 7YQ8-J03V-Y00V-GHKT

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

Use of the substance/mixture

Laboratory chemicals

Industrial uses: Uses of substances as such or in preparations at industrial sites

Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Uses advised against

Do not use for private purposes (household).

1.3. Details of the supplier of the safety data sheet

| | | |
|-------------------------|----------------------------------|------------------------------|
| Company name: | AnalytiChem GmbH | |
| | ACD | |
| Street: | Stempelstraße 6 | |
| Place: | D-47167 Duisburg | |
| Telephone: | 0203/5194-0 | Telefax: 0203/5194-290 |
| E-mail: | info@analytichem.de | |
| Contact person: | Abteilung Produktsicherheit | Telephone: 0203/5194-107/117 |
| E-mail: | produktsicherheit@analytichem.de | |
| Internet: | www.analytichem.de | |
| Responsible Department: | Abteilung Produktsicherheit | |

1.4. Emergency telephone number:

For Hazardous Materials [or Dangerous Goods] Incidents Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

Further Information

inapplicable, this product is a mixture REACH registration number see section 3

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Flam. Liq. 2; H225
Acute Tox. 3; H301
Acute Tox. 3; H311
Acute Tox. 3; H331
Muta. 2; H341
Carc. 1B; H350
STOT SE 1; H370

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

methanol
phenolphthalein

Signal word: Danger

Safety Data Sheet

according to UK REACH Regulation

Phenolphthalein indicator solution 1 % in methanol

Revision date: 28.02.2024

Product code: 03156

Page 2 of 14

Pictograms:



Hazard statements

- H225 Highly flammable liquid and vapour.
- H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.
- H341 Suspected of causing genetic defects.
- H350 May cause cancer.
- H370 Causes damage to organs.

Precautionary statements

- P201 Obtain special instructions before use.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P308+P311 IF exposed or concerned: Call a POISON CENTER/doctor.
- P403+P235 Store in a well-ventilated place. Keep cool.

Special labelling of certain mixtures

Restricted to professional users.

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

| CAS No | Chemical name | | | Quantity |
|---------|---|--------------|------------------|-------------|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| 67-56-1 | methanol | | | 90 - < 95 % |
| | 200-659-6 | 603-001-00-X | 01-2119433307-44 | |
| | Flam. Liq. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT SE 1; H225 H331 H311 H301 H370 | | | |
| 77-09-8 | phenolphthalein | | | 1 - < 5 % |
| | 201-004-7 | 604-076-00-1 | 01-2119498295-24 | |
| | Carc. 1B, Muta. 2, Repr. 2; H350 H341 H361f | | | |

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 | | |
| 67-56-1 | 200-659-6 | methanol | 90 - < 95 % |
| | inhalation: LC50 = 128,2 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: ATE = 300 mg/kg; oral: LD50 = 6000 mg/kg STOT SE 1; H370: >= 10 - 100 STOT SE 2; H371: >= 3 - < 10 | | |
| 77-09-8 | 201-004-7 | phenolphthalein | 1 - < 5 % |
| | Carc. 1B; H350: >= 1 - 100 | | |

Further Information

This mixture contains the following substances of very high concern (SVHC) which are included in the

Safety Data Sheet

according to UK REACH Regulation

Phenolphthalein indicator solution 1 % in methanol

Revision date: 28.02.2024

Product code: 03156

Page 3 of 14

Candidate List according to Article 59 of REACH: phenolphthalein

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.

Call a physician immediately.

After contact with eyes

After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water.

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

Consult an ophthalmologist.

After ingestion

Provide fresh air.

Call a physician immediately.

Notes for the doctor : Methanol

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

Irritant, Dizziness

Dizziness, Anaesthetic state

Agitation, Spasms

Inebriation, Vomiting

Headache, Impairment of vision

Repeated exposure may cause skin dryness or cracking.

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

Water spray jet, Carbon dioxide (CO₂), Foam, Extinguishing powder.

Unsuitable extinguishing media

no restriction

5.2. Special hazards arising from the substance or mixture

Combustible liquids

Highly flammable.

Hazardous combustion products

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

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

Beware of reignition.

Heating causes rise in pressure with risk of bursting.

5.3. Advice for firefighters

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

Wear full chemical protective clothing.

In case of fire and/or explosion do not breathe fumes.

Safety Data Sheet

according to UK REACH Regulation

Phenolphthalein indicator solution 1 % in methanol

Revision date: 28.02.2024

Product code: 03156

Page 4 of 14

Additional information

- Use water spray jet to protect personnel and to cool endangered containers.
- Move undamaged containers from immediate hazard area if it can be done safely.
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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 uncontrolled discharge of product into the environment. Danger of explosion
- Do not allow to enter into surface water or drains.
- 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

- Avoid exposure - obtain special instructions before use.
- If handled uncovered, arrangements with local exhaust ventilation have to be used.

Safety Data Sheet

according to UK REACH Regulation

Phenolphthalein indicator solution 1 % in methanol

Revision date: 28.02.2024

Product code: 03156

Page 5 of 14

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 gas/fumes/vapour/spray. 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

Remove contaminated, saturated clothing immediately. 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.

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

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place.
Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints on joint storage

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

Further information on storage conditions

Keep cool. Protect from sunlight.
storage temperature: +5°C - +30°C

7.3. Specific end use(s)

Laboratory chemicals

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|---------|-----------|-----|-------------------|-----------|---------------|--------|
| 67-56-1 | Methanol | 200 | 266 | | TWA (8 h) | WEL |
| | | 250 | 333 | | STEL (15 min) | WEL |

Safety Data Sheet

according to UK REACH Regulation

Phenolphthalein indicator solution 1 % in methanol

Revision date: 28.02.2024

Product code: 03156

Page 6 of 14

DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|-----------|----------------|----------|-----------------------|
| 67-56-1 | methanol | | | |
| Consumer DNEL, acute | | inhalation | systemic | 50 mg/m ³ |
| Worker DNEL, long-term | | inhalation | systemic | 260 mg/m ³ |
| Worker DNEL, acute | | inhalation | systemic | 260 mg/m ³ |
| Worker DNEL, long-term | | inhalation | local | 260 mg/m ³ |
| Worker DNEL, acute | | inhalation | local | 260 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 40 mg/kg bw/day |
| Worker DNEL, acute | | dermal | systemic | 40 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 50 mg/m ³ |
| Consumer DNEL, long-term | | inhalation | local | 50 mg/m ³ |
| Consumer DNEL, acute | | inhalation | local | 50 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 8 mg/kg bw/day |
| Consumer DNEL, acute | | dermal | systemic | 8 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 8 mg/kg bw/day |
| Consumer DNEL, acute | | oral | systemic | 8 mg/kg bw/day |

PNEC values

| CAS No | Substance | Value |
|--|-----------|-----------|
| 67-56-1 | methanol | |
| Freshwater | | 20,8 mg/l |
| Freshwater (intermittent releases) | | 1540 mg/l |
| Marine water | | 2,08 mg/l |
| Freshwater sediment | | 77 mg/kg |
| Marine sediment | | 7,7 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 100 mg/l |
| Soil | | 100 mg/kg |

8.2. Exposure controls

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 gas/fumes/vapour/spray.

Individual protection measures, such as personal protective equipment

Eye/face protection

goggles

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Safety Data Sheet

according to UK REACH Regulation

Phenolphthalein indicator solution 1 % in methanol

Revision date: 28.02.2024

Product code: 03156

Page 7 of 14

Suitable examples are gloves of KCL GmbH, D-36124 Eichenzell, e-mail: vertrieb@kcl.de with the following specification (test according to EN 374):

By long-term hand contact

Trade name/designation: KCL 897 Butoject®

Recommended material: Butyl caoutchouc (butyl rubber) 0,3 mm

Wearing time with permanent contact: > 480 min

By short-term hand contact

Trade name/designation: KCL 890 Vitoject®

Recommended material: FKM (fluoro rubber) 0,7 mm

Wearing time with occasional contact (splashes): > 30 min

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types. This recommendation applies only to the product stated in the safety data sheet supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Skin protection

Flame-retardant protective clothing. Wear anti-static footwear and clothing

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

Wear fire resistant or flame retardant clothing.

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

Draw up and observe skin protection programme.

Respiratory protection

Respiratory protection necessary at: aerosol or mist formation

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: | colourless | |
| Odour: | like: Methanol | |
| Odour threshold: | No data available | |
| Melting point/freezing point: | | No data available |
| Boiling point or initial boiling point and boiling range: | | 64,7 °C |
| Flammability: | | No data available |
| Lower explosion limits: | | No data available |
| Upper explosion limits: | | No data available |
| Flash point: | | <21 °C |
| Auto-ignition temperature: | | No data available |
| Decomposition temperature: | | No data available |
| pH-Value: | | No data available |
| Viscosity / kinematic: | | No data available |
| Water solubility: | | No data available |

Safety Data Sheet

according to UK REACH Regulation

Phenolphthalein indicator solution 1 % in methanol

Revision date: 28.02.2024

Product code: 03156

Page 8 of 14

Solubility in other solvents

not determined

Dissolution rate:

No data available

Partition coefficient n-octanol/water:

No data available

Dispersion stability:

No data available

Vapour pressure:

No data available

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

Particle characteristics:

No data available

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

Vapours can form explosive mixtures with air.

Sustaining combustion:

Sustaining combustion

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

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Oxidising agent, Nitrogen oxides (NOx), Potassium chlorate, peroxides, for example hydrogen peroxide, Nitric acid, sulphuric acid, sodium hypochlorite, Acid halogen, Acetic anhydride, Maleic anhydride, Reducing agent, Acid, Bromine, Chlorine, Chloroform, Fluorine, Alkali metals, Alkaline earth metal;

Risk of explosion with: Oxidizing agents, perchloric acid, perchlorates, salts of oxyhalogenic acids, chromium(VI) oxide, halogen oxides, nitrogen oxides, nonmetallic oxides, chromosulfuric acid, chlorates, hydrides, zinc diethyl, halogens, powdered magnesium, hydrogen peroxide, Nitric acid, sulphuric acid, permanganic acid, sodium hypochlorite Exothermic reaction with: acid halides, Acid anhydrides, Reducing agents, acids, Bromine, Chlorine, Chloroform, magnesium, tetrachloromethane, CYANURIC CHLORIDE Risk

Safety Data Sheet

according to UK REACH Regulation

Phenolphthalein indicator solution 1 % in methanol

Revision date: 28.02.2024

Product code: 03156

Page 9 of 14

of ignition or formation of inflammable gases or vapours with: Fluorine, Oxides of phosphorus, Raney-nickel
Generates dangerous gases or fumes in contact with: Alkaline earth metals, Alkali metals

10.4. Conditions to avoid

Vapours can form explosive mixtures with air.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Plastic articles
Zinc

10.6. Hazardous decomposition products

SECTION 5: Firefighting measures

Further information

No data available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Toxicokinetics, metabolism and distribution

Avoid exposure - obtain special instructions before use.

Acute toxicity

Toxic if swallowed.
Toxic in contact with skin.
Toxic if inhaled.
Irritation to respiratory tract

ATEmix calculated

ATE (oral) 111,1 mg/kg; ATE (dermal) 333,3 mg/kg; ATE (inhalation vapour) 3,330 mg/l; ATE (inhalation dust/mist) 0,5560 mg/l

| CAS No | Chemical name | | | | |
|---------|-------------------------|--------------------|---------|--|--|
| | Exposure route | Dose | Species | Source | Method |
| 67-56-1 | methanol | | | | |
| | oral | LD50 mg/kg 6000 | Monkey | Amer J Ophthalmol 40: 76-83 (cited in DG) | Determination of the acute toxicity of t |
| | dermal | ATE mg/kg 300 | | | |
| | inhalation (4 h) vapour | LC50 mg/l 128,2 | Rat | Study report (1980) | Study performed according to internal co |
| | inhalation dust/mist | ATE 0,5 mg/l | | | |

Irritation and corrosivity

Based on available data, the classification criteria are not met.
Has degreasing effect on the skin.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of causing genetic defects. (phenolphthalein)
May cause cancer. (phenolphthalein)
Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

Causes damage to organs. (methanol)
(eyes)

Safety Data Sheet

according to UK REACH Regulation

Phenolphthalein indicator solution 1 % in methanol

Revision date: 28.02.2024

Product code: 03156

Page 10 of 14

STOT-repeated exposure

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

Aspiration hazard

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

Information on likely routes of exposure

No data available

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

Irritation to respiratory tract

Repeated exposure may cause skin dryness or cracking.

Causes damage to organs.

Organs affected:

Liver and kidney damage

eyes

heart

Irreversible damage to the optic nerve.

Further information

Irritant, Dizziness, Dizziness, Anaesthetic state, Agitation, Spasms, Inebriation, Vomiting, Headache,

Impairment of vision

Repeated exposure may cause skin dryness or cracking.

Symptoms may be delayed.

Other dangerous properties can not be excluded.

SECTION 12: Ecological information

12.1. Toxicity

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

Safety Data Sheet

according to UK REACH Regulation

Phenolphthalein indicator solution 1 % in methanol

Revision date: 28.02.2024

Product code: 03156

Page 11 of 14

| CAS No | Chemical name | | | | | |
|---------|--------------------------|---------------|-----------|---------|---------------------------------|--|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 67-56-1 | methanol | | | | | |
| | Acute fish toxicity | LC50 mg/l | 15400 | 96 h | Lepomis macrochirus | Bulletin of Environmental Contamination other: EPA-660/3-75-009, 1975 |
| | Acute algae toxicity | ErC50 mg/l | ca. 22000 | 96 h | Pseudokirchneriella subcapitata | Ecotoxicology and Environmental Safety 7 OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 mg/l | > 10000 | 48 h | Daphnia magna | Water Research 23(4): 495-499 (1989) other: DIN 38412 Teil 11 |
| | Fish toxicity | NOEC mg/l | 446,7 | 28 d | Pimephales promelas | SAR and QSAR in Environmental Research, Calculation performed with ECOSAR |
| | Crustacea toxicity | NOEC mg/l | 208 | 21 d | Daphnia magna | OECD QSAR Toolbox Report (2013) Toxicity of the target chemical is predi |
| 77-09-8 | phenolphthalein | | | | | |
| | Acute algae toxicity | ErC50 mg/l | 8,9 | 72 h | Desmodesmus subspicatus | Study report (2010) OECD Guideline 201 |

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|---------|-----------------|---------|
| 67-56-1 | methanol | -0,77 |
| 77-09-8 | phenolphthalein | 0,9 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|---------|---------------|-----|-----------------|----------------------|
| 67-56-1 | methanol | 1 | Cyprinus carpio | Comparative Biochemi |

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

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

No data available

Further information

Do not allow to enter into surface water or drains.
Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Safety Data Sheet

according to UK REACH Regulation

Phenolphthalein indicator solution 1 % in methanol

Revision date: 28.02.2024

Product code: 03156

Page 12 of 14

Send to a physico-chemical treatment facility under observation of official regulations.
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.
The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

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

| | |
|--|----------|
| 14.1. UN number or ID number: | UN 1230 |
| 14.2. UN proper shipping name: | METHANOL |
| 14.3. Transport hazard class(es): | 3 |
| 14.4. Packing group: | II |
| Hazard label: | 3+6.1 |
| Classification code: | FT1 |
| Special Provisions: | 279 |
| Limited quantity: | 1 L |
| Excepted quantity: | E2 |
| Transport category: | 2 |
| Hazard No: | 336 |
| Tunnel restriction code: | D/E |

Inland waterways transport (ADN)

| | |
|--|----------|
| 14.1. UN number or ID number: | UN 1230 |
| 14.2. UN proper shipping name: | METHANOL |
| 14.3. Transport hazard class(es): | 3 |
| 14.4. Packing group: | II |
| Hazard label: | 3+6.1 |
| Classification code: | FT1 |
| Special Provisions: | 279 802 |
| Limited quantity: | 1 L |
| Excepted quantity: | E2 |

Marine transport (IMDG)

| | |
|--|----------|
| 14.1. UN number or ID number: | UN 1230 |
| 14.2. UN proper shipping name: | METHANOL |
| 14.3. Transport hazard class(es): | 3 |
| 14.4. Packing group: | II |
| Hazard label: | 3+6.1 |
| Special Provisions: | 279 |
| 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 1230 |
| 14.2. UN proper shipping name: | METHANOL |
| 14.3. Transport hazard class(es): | 3 |
| 14.4. Packing group: | II |
| Hazard label: | 3+6.1 |
| Special Provisions: | A113 |
| Limited quantity Passenger: | 1 L |
| Passenger LQ: | Y341 |
| Excepted quantity: | E2 |
| IATA-packing instructions - Passenger: | 352 |

Safety Data Sheet

according to UK REACH Regulation

Phenolphthalein indicator solution 1 % in methanol

Revision date: 28.02.2024

Product code: 03156

Page 13 of 14

| | |
|------------------------------------|------|
| IATA-max. quantity - Passenger: | 1 L |
| IATA-packing instructions - Cargo: | 364 |
| IATA-max. quantity - Cargo: | 60 L |

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Warning: Combustible liquid. Toxic.

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):
phenolphthalein

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 40, Entry 69

Information according to Directive 2012/18/EU (SEVESO III): H2 ACUTE TOXIC

Additional information: P5c

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 3 - highly hazardous to water

Skin resorption/Sensitization: Permeates easily through outer skin and causes poisoning.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,8,9,11,12.

Abbreviations and acronyms

Flam. Liq: Flammable liquids
Acute Tox: Acute toxicity
Muta: Germ cell mutagenicity
Carc: Carcinogenicity
Repr: Reproductive toxicity
STOT SE: Specific target organ toxicity - single exposure
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%

Safety Data Sheet

according to UK REACH Regulation

Phenolphthalein indicator solution 1 % in methanol

Revision date: 28.02.2024

Product code: 03156

Page 14 of 14

Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification | Classification procedure |
|--------------------|--------------------------|
| Flam. Liq. 2; H225 | On basis of test data |
| Acute Tox. 3; H301 | Calculation method |
| Acute Tox. 3; H311 | Calculation method |
| Acute Tox. 3; H331 | Calculation method |
| Muta. 2; H341 | Calculation method |
| Carc. 1B; H350 | Calculation method |
| STOT SE 1; H370 | Calculation method |

Relevant H and EUH statements (number and full text)

| | |
|----------------|---|
| H225 | Highly flammable liquid and vapour. |
| H301 | Toxic if swallowed. |
| H301+H311+H331 | Toxic if swallowed, in contact with skin or if inhaled. |
| H311 | Toxic in contact with skin. |
| H331 | Toxic if inhaled. |
| H341 | Suspected of causing genetic defects. |
| H350 | May cause cancer. |
| H361f | Suspected of damaging fertility. |
| H370 | Causes damage to organs. |

Further Information

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. Provide appropriate information, instructions and training to users

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