

METHYL TETRAHYDRO PHTHALIC ANHYDRIDE

NUMBER

Avoid breathing vapours.
Wear protective gloves/ eye protection/ face

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P305 + P351 + P338

protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and e

P342 + P311

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.

Hazard symbol(s)



R-phrases(s)

R41

Risk of serious damage to eyes.

R42/43

May cause sensitization by inhalation and skin contact.

S-phrases(s)

S22

Do not breathe dust.

S24

Avoid contact with skin.

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39

Wear suitable gloves and eye/face protection.

2.3 Other hazards

None

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component

Chemical Name Methyltetrahydrophthalic anhydride

CAS NO 11070-44-3

EC Number 234-290-7

Molecular Formula C₉H₁₀O₃

Molecular Weight 166.17 g/mol.

Concentration

4 FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician.

Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air.

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In case of skin contact

If not breathing, give artificial respiration.
Consult a physician.

In case of eye contact

Wash off with soap and plenty of water.
Consult a physician.

If swallowed

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Never give anything by mouth to an unconscious person.
Rinse mouth with water.
Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

No data available

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

Use personal protective equipment.
Avoid breathing vapours, mist or gas.
Ensure adequate ventilation.
Evacuate personnel to safe areas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

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For disposal see section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes.
Avoid inhalation of vapour or mist.

7.2 Information about protection against explosions and fires

No data available

7.3 Conditions for safe storage including any incompatibilities

Store in cool place.
Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.4 Specific end use(s)

No data available

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of workday.

Eye/face protection

Tightly fitting safety goggles.
Faceshield (8-inch minimum).
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves.
Gloves must be inspected prior to use.
Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.
Dispose of Contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Wash and dry hands.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with

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multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.
If the respirator is the sole means of protection, use a full-face supplied air respirator.
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|-------------------|
| a) Appearance | liquid |
| b) Odour | No data available |
| c) Odour Threshold | No data available |
| d) pH (% solution in water) | No data available |
| e) Melting point/freezing point | No data available |
| f) Initial boiling point and boiling range | No data available |
| g) Flash point | No data available |
| h) Evaporation rate | No data available |
| i) Flammability (solid or gas) | No data available |
| j) Upper/lower flammability or explosive limits | No data available |
| k) Vapour pressure | No data available |
| l) Vapour density | No data available |
| m) Relative density | No data available |
| n) Water solubility | No data available |
| o) Partition coefficient: n-octanol/water | log Pow: 0.484 |
| p) Autoignition temperature | No data available |
| q) Decomposition temperature | No data available |
| r) Viscosity | No data available |
| s) Explosive properties | No data available |
| t) Oxidizing properties | No data available |

9.2 Other safety information

| | |
|--------------|-------------------|
| Bulk Density | No data available |
|--------------|-------------------|

10 STABILITY AND REACTIVITY

| | |
|---|-------------------|
| 10.1 Reactivity | No data available |
| 10.2 Chemical stability | No data available |
| 10.3 Possibility of hazardous reactions | No data available |

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10.4 Conditions to avoid No data available

10.5 Incompatible materials Strong oxidizing agents

10.6 Hazardous decomposition products No data available

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity No data available

Skin corrosion/irritation No data available

Serious eye damage/eye irritation No data available

Respiratory or skin sensitization No data available

Germ cell mutagenicity No data available

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity No data available

Specific target organ toxicity - single exposure No data available

Specific target organ toxicity - repeated exposure No data available

Signs and symptoms of exposure To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Aspiration hazard No data available

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion Harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes Causes eye burns.

RTECS NP6751200

12 ECOLOGICAL INFORMATION

12.1 Toxicity No data available

12.2 Persistence and degradability

Biodegradation

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No data available

12.3 Bio accumulative potential No data available

12.4 Mobility in soil No data available

12.5 Results of PBT and vPvB assessment No data available

12.6 Other adverse effects No data available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14 TRANSPORT INFORMATION

14.1 UN number

| ADR/RID | IMDG | IATA |
|---------|------|------|
| - | - | - |

14.2 UN proper shipping name

| ADR/RID | IMDG | IATA |
|---------------------|---------------------|---------------------|
| Not dangerous goods | Not dangerous goods | Not dangerous goods |

14.3 Transport hazard class(es)

| ADR/RID | IMDG | IATA |
|---------|------|------|
| - | - | - |

14.4 Packaging group

| ADR/RID | IMDG | IATA |
|---------|------|------|
| - | - | - |

14.5 Environmental hazards

| ADR/RID | IMDG Marine pollutant | IATA |
|---------|-----------------------|------|
| No | No | No |

14.6 Special precautions for user No data available

15 REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

No data available

15.2 Chemical Safety Assessment

No data available

16 OTHER INFORMATION

Month of Creation

March 2019

Month of Revision

March 2022