

Safety Data Sheet

according to Regulation (EC) No 1907/2006

26039-99 Hexamethylenetetramine

Revision date: 25.06.2018

Product code: 2603999

Page 1 of 9

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

26039-99 Hexamethylenetetramine

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

Water analysis

1.3. Details of the supplier of the safety data sheet

Company name: HACH LANGE GmbH
Street: Willstätterstr. 11
Place: D-40549 Düsseldorf
Telephone: +49 (0)211 5288-383
e-mail: SDS@hach.com
Internet: www.de.hach.com
Responsible Department: HACH LANGE Ltd.
5, Pacific Way
Salford Manchester M50 1DL - United Kingdom
Tel. +44 (0) 161 872 1487 * Fax +44 (0) 161 848 7324
e-Mail: info-uk@hach.com

HACH LANGE Ltd.
Unit 1, Chestnut Road Western Industrial Estate
IRL-Dublin 12
Tel. +353 (0)1 4602522
e-Mail: info-ie@hach.com

1.4. Emergency telephone number:

Poison Control Center Mainz: Tel: +49 (0) 6131 19240 - 24 hour emergency service -

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Flammable solid: Flam. Sol. 2

Acute toxicity: Acute Tox. 4

Respiratory or skin sensitisation: Resp. Sens. 1

Respiratory or skin sensitisation: Skin Sens. 1

Hazard Statements:

Flammable solid.

Harmful if swallowed.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

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

methenamine; hexamethylenetetramine

Signal word: Danger**Pictograms:**

Safety Data Sheet

according to Regulation (EC) No 1907/2006

26039-99 Hexamethylenetetramine

Revision date: 25.06.2018

Product code: 2603999

Page 2 of 9

Hazard statements

H228	Flammable solid.
H302	Harmful if swallowed.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P370+P378	In case of fire: Use dry sand to extinguish.

Additional advice on labelling

The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
100-97-0	methenamine; hexamethylenetetramine			>99 %
	202-905-8	612-101-00-2		
	Flam. Sol. 2, Resp. Sens. 1, Skin Sens. 1; H228 H334 H317			

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Take off all contaminated clothing immediately.

After inhalation

Move to fresh air. Oxygen, if needed. Call a physician.

After contact with skin

Wash off immediately with plenty of water for at least 15 minutes. Take off all contaminated clothing immediately. If skin irritation persists, call a physician.

After contact with eyes

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

After ingestion

Clean mouth with water and drink afterwards plenty of water. Consult a physician.

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

Allergic reactions

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

26039-99 Hexamethylenetetramine

Revision date: 25.06.2018

Product code: 2603999

Page 3 of 9

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Cool containers/tanks with water spray., Water, Dry powder, Carbon dioxide (CO₂), Alcohol-resistant foam**Unsuitable extinguishing media**

No information available.

5.2. Special hazards arising from the substance or mixture

Fire may liberate hazardous vapours.

5.3. Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

Additional information

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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

Use personal protective equipment.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste.

6.4. Reference to other sections

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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

Use only in well-ventilated areas. Do not breathe vapours/dust.

Advice on protection against fire and explosion

Highly flammable

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

Keep tightly closed in a dry, cool and well-ventilated place.

Hints on joint storage

Do not store together with Acids, Oxidizing agents

7.3. Specific end use(s)

Reagent for analysis

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

No information available.

8.2. Exposure controls

Safety Data Sheet

according to Regulation (EC) No 1907/2006

26039-99 Hexamethylenetetramine

Revision date: 25.06.2018

Product code: 2603999

Page 4 of 9

Appropriate engineering controls

Ensure that eye flushing systems and safety showers are located close to the working place.

Protective and hygiene measures

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Wash hands before breaks and after work.

Eye/face protection

Safety glasses with side-shields

Hand protection

Use barrier skin cream.

Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374. In full contact:

Gloves material: Viton, Layer thickness: 0.70 mm, Breakthrough time: >480 min. In splash contact: Glove material: nitrile rubber, Layer thickness 0,20 mm, Breakthrough time: > 30 min

Skin protection

Remove and wash contaminated clothing before re-use.

Respiratory protection

Breathing apparatus only if aerosol or dust is formed.

Half mask with a particle filter P2 (EN 143).

Environmental exposure controls

Do not empty into drains.

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

Physical state:	powder
Colour:	white
Odour:	odourless
pH-Value (at 20 °C):	8,4 (aqueous solution)

Changes in the physical state

Melting point:	280 °C
Initial boiling point and boiling range:	no data available
Sublimation point:	no data available
Softening point:	no data available
Sublimation point:	280 °C
Flash point:	236 °C

Flammability

Solid:	no data available
Gas:	no data available

Explosive properties

no data available

Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Ignition temperature:	no data available

Auto-ignition temperature

Solid:	410 °C
Gas:	410 °C
Decomposition temperature:	no data available

Safety Data Sheet

according to Regulation (EC) No 1907/2006

26039-99 Hexamethylenetetramine

Revision date: 25.06.2018

Product code: 2603999

Page 5 of 9

Oxidizing properties

no data available

Vapour pressure:

no data available

Vapour pressure:

no data available

Density (at 20 °C):

1,33 g/cm³

Bulk density:

no data available

Water solubility:
(at 20 °C)

666 g/L

Solubility in other solvents

no data available

Partition coefficient:

no data available

Viscosity / dynamic:

no data available

Viscosity / kinematic:

no data available

Flow time:

no data available

Vapour density:

no data available

Evaporation rate:

no data available

Solvent separation test:

no data available

Solvent content:

no data available

9.2. Other information

Solid content:

no data available

no data available

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

May form explosive dust-air mixture.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Reacts with the following substances: Acids, acetic acid, Nitric acid, Ammonia, Oxidizing agents

10.4. Conditions to avoid

Heat, flames and sparks.

Stable under normal conditions. To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition productsHeating can release hazardous gases. (nitrogen oxides (NO_x), Formaldehyde)**Further information**

No information available.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

This information is not available.

Acute toxicity

Harmful if swallowed.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

26039-99 Hexamethylenetetramine

Revision date: 25.06.2018

Product code: 2603999

Page 6 of 9

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
100-97-0	methenamine; hexamethylenetetramine				
	oral	LD50 9200 mg/kg	Ratte		

Irritation and corrosivity

No known effect.

Sensitising effects

This product is classified by the European Union as a skin sensitiser.

May cause sensitisation by skin contact. May cause sensitisation by inhalation.

Carcinogenic/mutagenic/toxic effects for reproduction

This information is not available.

STOT-single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT-repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard

No aspiration toxicity classification

Specific effects in experiment on an animal

This information is not available.

Additional information on tests

This information is not available.

Practical experience

Observations relevant to classification

This information is not available.

Other observations

This information is not available.

Further information

Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: Ecological information

12.1. Toxicity

No data is available on the product itself.

Do not flush into surface water or sanitary sewer system.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
100-97-0	methenamine; hexamethylenetetramine					
	Acute fish toxicity	LC50 49800 mg/l	96 h	Fisch		

12.2. Persistence and degradability

Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation is unlikely.

12.4. Mobility in soil

This information is not available.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

26039-99 Hexamethylenetetramine

Revision date: 25.06.2018

Product code: 2603999

Page 7 of 9

12.5. Results of PBT and vPvB assessment

This information is not available.

12.6. Other adverse effects

This information is not available.

Further information

Should not be released into the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

In accordance with local and national regulations.

Waste disposal number of waste from residues/unused products

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste

Waste disposal number of used product

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste

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

14.1. UN number: UN1328
14.2. UN proper shipping name: HEXAMETHYLENETETRAMINE
14.3. Transport hazard class(es): 4.1
14.4. Packing group: III
Hazard label: 4.1



Classification code: F1
Limited quantity: 5 kg
Transport category: 3
Hazard No: 40
Tunnel restriction code: E

Other applicable information (land transport)

Excepted Quantities: E1

Inland waterways transport (ADN)**Other applicable information (inland waterways transport)**

Not tested

Marine transport (IMDG)

14.1. UN number: UN1328
14.2. UN proper shipping name: HEXAMETHYLENETETRAMINE
14.3. Transport hazard class(es): 4.1
14.4. Packing group: III
Hazard label: 4.1

Safety Data Sheet

according to Regulation (EC) No 1907/2006

26039-99 Hexamethylenetetramine

Revision date: 25.06.2018

Product code: 2603999

Page 8 of 9



Marine pollutant: --
Special Provisions: -
Limited quantity: 5 kg
EmS: F-A, S-G

Other applicable information (marine transport)

Excepted Quantities: E1

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN1328
14.2. UN proper shipping name: HEXAMETHYLENETETRAMINE
14.3. Transport hazard class(es): 4.1
14.4. Packing group: III
Hazard label: 4.1



Limited quantity Passenger: 10 kg
IATA-packing instructions - Passenger: 446
IATA-max. quantity - Passenger: 25 kg
IATA-packing instructions - Cargo: 449
IATA-max. quantity - Cargo: 100 kg

Other applicable information (air transport)

Excepted Quantities: E1

Passenger-LQ: Y443

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no
Danger releasing substance: no data available

14.6. Special precautions for user

Not relevant

Other applicable information

Additional Information: This product may be shipped as part of a chemical kit composed of various compatible dangerous goods for analytical or testing purposes. This kit would have the following classification: Proper Shipping Name: Chemical Kit, Hazard Class: 9, UN Number 3316, Package group II, EMS Code: F-A, S-P
These transport data apply to the entire pack

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

Revision: 25.06.2018

Safety Data Sheet

according to Regulation (EC) No 1907/2006

26039-99 Hexamethylenetetramine

Revision date: 25.06.2018

Product code: 2603999

Page 9 of 9

Safety datasheet sections which have been updated: 3, 11, 15, 16

Revision: 22.04.2015

Safety datasheet sections which have been updated: 2, 4, 11

Revision: 11.12.2013

Safety datasheet sections which have been updated: 2-16

Revision: 12.03.2014

Safety datasheet sections which have been updated: 2

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

Classification	Classification procedure
Flam. Sol. 2; H228	On basis of test data
Acute Tox. 4; H302	Calculation method
Resp. Sens. 1; H334	Calculation method
Skin Sens. 1; H317	Calculation method

Relevant H and EUH statements (number and full text)

H228	Flammable solid.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Further Information

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

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