



SAFETY DATA SHEET

1,6 DIAMINOHEXANE

Page: 1

Compilation date: 29/04/2015

Revision No: 1

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

1.1. Product identifier

Product name: 1,6 DIAMINOHEXANE

CAS number: 124-09-4

EINECS number: 204-679-6

Product code: GPC6392

1,6 HEXANEDIAMINE

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

Use of substance / mixture: Manufacture of substances. Laboratory chemicals.

1.3. Details of the supplier of the safety data sheet

Select School Supplies Ltd
The Old Granary Berghill House
Oswestry
SY11 4PD
01691 770366
sales@selectschoolsupplies.co.uk

1.4. Emergency telephone number

Emergency tel:01691770366

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Acute Tox. 4: H302+312; Skin Corr. 1B: H314; STOT RE 2: H373; STOT SE 3: H335

Classification under CHIP: Xn: R21/22; C: R34; Xi: R37

Most important adverse effects: Harmful if swallowed or in contact with skin. Causes severe skin burns and eye damage. May cause respiratory irritation.

2.2. Label elements

Label elements under CLP:

Hazard statements: H302+312: Harmful if swallowed or in contact with skin.

H314: Causes severe skin burns and eye damage.

H335: May cause respiratory irritation.

[cont...]

SAFETY DATA SHEET

1,6 DIAMINOHEXANE

Page: 2

Signal words: Danger

Hazard pictograms: GHS05: Corrosion

GHS07: Exclamation mark



Precautionary statements: P261: Avoid breathing dust.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: 1,6 DIAMINOHEXANE

CAS number: 124-09-4

EINECS number: 204-679-6

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Wash out mouth with water. Consult a doctor.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.

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

Skin contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Inhalation: No data available.

Delayed / immediate effects: No data available.

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Water spray. Alcohol resistant foam. Carbon dioxide. Dry chemical powder.

[cont...]

SAFETY DATA SHEET

1,6 DIAMINOHEXANE

Page: 3

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of hydrogen iodide.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Do not create dust. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. Sweep up and shovel.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid the formation or spread of mists in the air. Avoid the formation or spread of dust in the air. Ensure there is exhaust ventilation of the area. Keep away from sources of ignition - No smoking. keep away from heat. Normal measures for preventive fire protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Light sensitive
Hygroscopic

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

8.1. DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Contains no substances with occupational exposure limit values.

[cont...]

SAFETY DATA SHEET

1,6 DIAMINOHEXANE

Page: 4

Respiratory protection: Respiratory protective device with particle filter. Particle filter class P3S (EN143). Particle filter class P3SL (EN143).

Hand protection: Nitrile gloves. Breakthrough time of the glove material > 8 hours.

Eye protection: Safety glasses.

Skin protection: Complete suit protecting against chemicals.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Powder

Colour: Colourless

Boiling point/range °C: 204-205

Melting point/range °C: 42-45

Flammability limits %: lower: 0.7

upper: 6.3

Flash point °C: 80

Vapour pressure: 0.02 log Pow

Relative density: 0.89 g/cm³

pH: 12.4

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: No data available.

10.2. Chemical stability

Chemical stability: Hygroscopic Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: No data available.

10.4. Conditions to avoid

Conditions to avoid: hygroscopic

10.5. Incompatible materials

Materials to avoid: Strong reducing agents. Strong bases. Finely powdered metals. Dimethyl Sulfoxide (DMSO)

10.6. Hazardous decomposition products

Section 11: Toxicological information

11.1. Information on toxicological effects

[cont...]

SAFETY DATA SHEET

1,6 DIAMINOHEXANE

Page: 5

Relevant hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	DRM ING	Based on test data
Skin corrosion/irritation	DRM	Based on test data
Serious eye damage/irritation	OPT	Based on test data
STOT-repeated exposure	-	Based on test data

Symptoms / routes of exposure

Skin contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Inhalation: No data available.

Delayed / immediate effects: No data available.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
FISH	96H LC50	62	mg/l
DAPHNIA	48H EC50	23.4	mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Dispose of as unused product.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

[cont...]

SAFETY DATA SHEET

1,6 DIAMINOHEXANE

Page: 6

Section 14: Transport information

14.1. UN number

UN number: UN2280

14.2. UN proper shipping name

Shipping name: OXIDIZING SOLID, CORROSIVE, N.O.S. Orthoperiodic acid

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Section 15: Regulatory information

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

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

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3: H302+312: Harmful if swallowed or in contact with skin.

H314: Causes severe skin burns and eye damage.

H335: May cause respiratory irritation.

R21/22: Harmful in contact with skin and if swallowed.

R34: Causes burns.

R37: Irritating to respiratory system.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.