



SAFETY DATA SHEET

Adtech 956 Part B

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

1.1. Product identifier

Product name Adtech 956 Part B

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

Identified uses Adhesive. SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

1.3. Details of the supplier of the safety data sheet

Supplier UREKA GLOBAL LTD
7 FLOWERS HILL,
BRISLINGTON
BRISTOL
BS4 5JJ
+44 117 971 1364
sales@thenamethatsticks.com

1.4. Emergency telephone number

Emergency telephone Ureka Global +44 (0)117 971 1364 (Mon - Fri) 09:00 - 16:00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H332 Skin Sens. 1 - H317 STOT SE 3 - H335

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements H332 Harmful if inhaled.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

Precautionary statements P261 Avoid breathing vapour/ 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.
P312 Call a POISON CENTRE/doctor if you feel unwell.

Supplemental label information EUH204 Contains isocyanates. May produce an allergic reaction.

Contains HDI oligomers, isocyanurate, polyisocyanate, aliphatic

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2.3. Other hazards

Other hazards

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (0,1%). The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (<0.1%).

SECTION 3: Composition/information on ingredients

3.2. Mixtures

HDI oligomers, isocyanurate, polyisocyanate, aliphatic	60-100%
CAS number: 28182-81-2	

Classification

Acute Tox. 4 - H332

Skin Sens. 1 - H317

STOT SE 3 - H335

HEXAMETHYLENE-DI-ISOCYANATE

<1%

CAS number: 822-06-0

EC number: 212-485-8

Classification

Acute Tox. 3 - H331

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

Resp. Sens. 1 - H334

Skin Sens. 1 - H317

STOT SE 3 - H335

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aid personnel should wear appropriate protective equipment during any rescue. Never give anything by mouth to an unconscious person.

Inhalation

Remove person from danger area. Supply person with fresh air and consult doctor according to symptoms. If the person is unconscious, place in a stable side position and consult a doctor. Respiratory arrest - Artificial respiration apparatus necessary.

Ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Give plenty of water to drink. Consult a doctor.

Skin contact

Wipe off residual product with a soft, dry cloth. Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor. Use polyethylene glycol 400 to dab away.

Eye contact

Remove contact lenses. Wash thoroughly for several minutes using copious water - call doctor immediately, have Data Sheet available.

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

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General information

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

The following may occur:

Dermatitis (skin inflammation)
Drying of the skin
Allergic contact eczema
Discolouration of skin
Irritant to mucosa of the nose and throat
Coughing
Headaches

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water jet spray/foam/CO2/dry extinguisher.

Unsuitable extinguishing media High volume water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards In case of fire the following can develop:
Oxides of carbon
Oxides of nitrogen
Isocyanates
Hydrocyanic acid (hydrogen cyanide)
Toxic gases
Danger of bursting (explosion) when heated

5.3. Advice for firefighters

Protective actions during firefighting In case of fire and/or explosion do not breathe fumes.
Protective respirator with independent air supply.
According to size of fire
Full protection, if necessary.
Cool container at risk with water.
Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Keep non-essential personnel away.
Ensure sufficient supply of air.
Avoid inhalation, and contact with eyes or skin.
If applicable, caution - risk of slipping.

6.2. Environmental precautions

Environmental precautions If leakage occurs, dam up.
Resolve leaks if this is possible without risk.
Prevent surface and ground-water infiltration, as well as ground penetration.
Prevent from entering drainage system.
If accidental entry into drainage system occurs, inform responsible authorities.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13.

6.4. Reference to other sections

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Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Ensure adequate ventilation of the working area. Avoid inhalation of vapours. If applicable, suction measures at the workstation or on the processing machine necessary. Avoid contact with skin and eyes. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use. Use working methods according to operating instructions.
Advice on general occupational hygiene	General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink, and animal feed. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Keep out of access to unauthorised individuals. Not to be stored in gangways or stair wells. Store product closed and only in original packaging. Keep protected from direct sunlight and temperatures over 50°C. Store cool. Store in a dry place.
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7.3. Specific end use(s)

Specific end use(s)	Adhesive.
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SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

HEXAMETHYLENE-DI-ISOCYANATE

Long-term exposure limit (8-hour TWA): WEL 0.02 mg/m³(Sen)

Short-term exposure limit (15-minute): WEL 0.07 mg/m³(Sen)

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Appropriate engineering controls	Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here. Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques. These are specified by e.g. BS EN 14042 BS EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents."
Personal protection	General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink, and animal feed. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.
Eye/face protection	Tight fitting protective goggles with side protection (EN166)

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Hand protection	Chemical resistant protective gloves (EN 374). Recommended protective nitrile gloves (EN 374). Minimum layer thickness in mm: ≥ 0.5 Permeation time (penetration time) in minutes ≥ 480 The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time. Protective hand cream recommended.
Other skin and body protection	Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).
Respiratory protection	Normally not necessary. If OES or MEL is exceeded. Filter A2 P2 (EN 14387), code colour brown, white. Observe wearing time limitations for respiratory protection equipment.
Thermal hazards	Not applicable
Environmental exposure controls	No information available at present

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Pastelike, liquid
Colour	According to product specification
Odour	Slight.
Odour threshold	Not determined.
pH	n.a.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	n.a.
Evaporation rate	n.a.
Evaporation factor	n.a.
Flammability (solid, gas)	n.a.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	$\sim 1.36 \text{ g/cm}^3 @ 20^\circ\text{C}$
Bulk density	Not determined.
Solubility(ies)	Not determined. Insoluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	n.a.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not considered to be explosive.
Oxidising properties	No.

9.2. Other information**SECTION 10: Stability and reactivity****10.1. Reactivity**

Reactivity Reacts with water.

10.2. Chemical stability

Stability Stable with proper storage and handling.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Exothermic reaction possible with:
 Alcohols
 Amines
 Bases
 Acids
 Water
 Development of:
 Carbon dioxide
 CO₂ formation in closed tanks causes pressure to rise.
 Pressure increase will result in danger of bursting.

10.4. Conditions to avoid

Conditions to avoid See also section 7.
 Protect from humidity.
 Polymerisation due to high heat is possible.

10.5. Incompatible materials

Materials to avoid See also section 7.
 Acids
 Bases
 Amines
 Alcohols
 Water

10.6. Hazardous decomposition products

Hazardous decomposition products See also section 5.2.
 No decomposition when used as directed.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity - inhalation**

ATE inhalation (gases ppm) 7,500.0

ATE inhalation (vapours mg/l) 18.33

ATE inhalation (dusts/mists mg/l) 2.5

SECTION 12: Ecological information**12.1. Toxicity****12.2. Persistence and degradability****12.3. Bioaccumulative potential**

Partition coefficient Not determined.

12.4. Mobility in soil**12.5. Results of PBT and vPvB assessment**

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU) Waste code: 08 04 09 - Waste adhesives and sealants containing organic solvents or other dangerous substances. 08 05 01 - Waste Isocyanates.

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. suitable incineration plant

E.g. dispose at suitable refuse site. Hardened product:

E.g. dispose at suitable refuse site. For contaminated packing material:

Pay attention to local and national regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

Packaging: 15 01 10 (Packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

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

15.2. Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

SDS number

24207

Hazard statements in full

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

DIRECTIONS FOR USE

PRODUCT LOGO