

# Henko H400

## Safety Data Sheet

according to Regulation (EC) Nr  
1907/2006/EC, art. 31

Revision date: 1-1-2018

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

#### 1.1. Product identifier

Chemical type : Mixture  
Trade name : Henko H400  
Product code : Henko 616

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Industrial use, Professional use  
Industrial/Professional use spec. : Non-dispersive use  
wide dispersive use  
Use of the substance/preparation : adhesive

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Henko A&T  
Graafschap Hornelaan 184  
NL – 6004 HT Weert  
Tel. +31 495 633010 - Fax +31 495 586735  
[info@henko-at.nl](mailto:info@henko-at.nl) – [www.henko-at.nl](http://www.henko-at.nl)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1907/2006



GHS08 health hazard

Resp. Sens. 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carc. 2	H351	Suspected of causing cancer.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.



GHS07

Acute Tox. 4	H332	Harmful if inhaled.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
STOT SE 3	H335	May cause respiratory irritation.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No 1907/2006

The product is classified and labelled according to the CLP regulation.

##### Hazard pictograms



GHS07



GHS08

Signal word Danger

##### Hazard-determining components of labelling:

methylenediphenyl diisocyanate  
dibutyltin dilaurate

##### Hazard statements

H332 Harmful if inhaled.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 May cause an allergic skin reaction.  
H351 Suspected of causing cancer.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.

##### Precautionary statements

# Henko H400

## Safety Data Sheet

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1907/2006/EC, art. 31



Version: 01.11

Revision date: 1-1-2018

- P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P260 Do not breathe vapours.  
P284 [In case of inadequate ventilation] wear respiratory protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321 Specific treatment (see on this label).  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### Additional information:

Contains isocyanates. May produce an allergic reaction.

### 2.3 Other hazards

### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Diphenylmethane-4,4'-diisocyanate	(CAS No.) 101-68-8 (EC no) 202-966-0 (EC index no) 615-005-00-9	10 - 30	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; Resp. Sens. 1; Skin Sens. 1; Carc. 2; STOT SE 3; STOT RE 2; H332, H315, H319, H334, H317, H351, H335, H373
Methyloxirane, polymer with oxirane, ether with 1,2,3-propanetriol, polymer with 1,1'-methylenebis[isocyanatobenzene]	(CAS-nr) 112898-48-3	50 - 100	Acute Tox. 4, H332 [1] Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Diphenylmethane-4,4'-diisocyanate	(CAS No.) 101-68-8 (EC no) 202-966-0 (EC index no) 615-005-00-9	1 - 5	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; Resp. Sens. 1; Skin Sens. 1; Carc. 2; STOT SE 3; STOT RE 2; H332, H315, H319, H334, H317, H351, H335, H373
Methyloxirane, polymer with oxirane, ether with 1,2,3-propanetriol, polymer with 1,1'-methylenebis[isocyanatobenzene]	(CAS-nr) 112898-48-3	1 - 5	Acute Tox. 4, H332 [1] Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing difficulties persist : Call a physician immediately.
- First-aid measures after skin contact : Wash off immediately with soap and plenty of water. Do not apply (chemical) neutralizing agents. If necessary seek medical advice.
- First-aid measures after eye contact : Wash immediately with lots of water (15 minutes)/shower. Do not apply (chemical) neutralizing agents. Consult an eye specialist.
- First-aid measures after ingestion : Rinse mouth out with water. If swallowed, do NOT induce vomiting. Immediately consult a doctor/medical service.

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

No additional information available

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

No additional information available

# Henko H400

## Safety Data Sheet

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1907/2006/EC, art. 31

Revision date: 1-1-2018



Version: 01.11

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Polyvalent foam. carbon dioxide (CO2), powder, hazy water.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : On heating/burning: release of carbon monoxide - carbon dioxide. Nitrous fumes. Decomposes on exposure to temperature rise: formation of small quantities of hydrogen cyanide. Reacts violently with hot water: pressure rise and possible bursting of container.

#### 5.3. Advice for firefighters

Protection during firefighting : Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe. Protective clothing.

Other information : Continue water spray from protected position until container stays cool. Do not move the load if exposed to heat. Dilute toxic gases with water spray.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

No additional information available

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Wash contaminated clothes. Acetone.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Hygiene measures : Strict hygiene required.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Ventilation along the floor. Keep only in the original container in a cool, well-ventilated place.

Maximum storage period : 180 days

Storage area : Store away from heat. Store in tightly closed containers.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

Appropriate engineering controls : Concentration measurement in air. Well-ventilated area.

Hand protection : polyethylene or polypropylene gloves in combination with fabric under-gloves.

Eye protection : Face shield.

Skin and body protection : Protective equipment.

Respiratory protection : Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : liquid / paste.

Colour : No data available

Odour : No data available

Odour threshold : No data available

pH : No data available

Melting point : No data available

# Henko H400

## Safety Data Sheet

according to Regulation (EC) Nr  
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Revision date: 1-1-2018

Solidification point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relat. evapor. rate comp. to butylacetate	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

No additional information available

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Harmful by inhalation.
Irritation	: Irritating to eyes, respiratory system and skin.
Corrosivity	: Not classified
Sensitisation	: May cause sensitization by inhalation and skin contact.
Repeated dose toxicity	: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Carcinogenicity	: Limited evidence of a carcinogenic effect.
Mutagenicity	: Not classified
Reproductive toxicity	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

# Henko H400

## Safety Data Sheet

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Revision date: 1-1-2018



Version: 01.11

### 12.5. Results of PBT and vPvB assessment

This substance/mixture does not meet the PBT/vPvB criteria of REACH, annex XIII.

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

No additional information available

## SECTION 14: Transport information

No dangerous good in sense of transport regulations.

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No ingredients included in the REACH Candidate list

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H341 Suspected of causing genetic defects.  
H351 Suspected of causing cancer.  
H360 May damage fertility or the unborn child.  
H370 Causes damage to organs.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*