

## SAFETY DATA SHEET

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Die in diesem Produktdatenblatt genannten Spezifikationen dienen nur zur Produktbeschreibung und beziehen sich auf den Zeitpunkt unmittelbar nach der Produktion bzw. Import des Produktes. Sie entsprechen den Angaben des Herstellers. Eine rechtsverbindliche Zusicherung bestimmter Eigenschaften oder der Eignung für einen bestimmten Einsatzzweck kann hieraus nicht abgeleitet werden. Durch unsachgemäßen Transport und / oder unsachgemäße Lagerung können sich Änderungen ergeben. Die Angaben in diesem Produktdatenblatt entbinden den Verarbeiter nicht von eigener Prüfung der Eigenschaften des Produktes und dessen Eignung für die vorgesehene Verwendung.

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## 2523010 HXTAL NYL-1, Hardener

Page 1

Revised edition: 01.05.2022

Version: 2

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### 1. Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1. Product Identifier

*Product Name:* HXTAL NYL-1, Hardener

*Article No.:* 2523010

*UFI:* --

#### 1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

*Identified uses:*  
Hardener for adhesive systems.

*Uses advised against:*

#### 1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

*Company:* Deffner & Johann GmbH

*Address:* Mühlackerstraße 13, D-97520 Röthlein

*Tel./Fax.:* Tel + 49 (0) 9723 9350-0, Fax + 49 (0) 9723 9350-25

*E-Mail:* info@deffner-johann.de

#### 1.4. Emergency No.

*Emergency No.:* +49 7565 914480 (Mon-Fri 8:00 - 17:00)

#### 1.4.2 Poison Center:

### 2. Hazards Identification

#### 2.1. Classification of the Substance or Mixture

*Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)*

Acute toxicity (oral), hazard category 4  
Acute toxicity (dermal), hazard category 4  
Skin corrosion, hazard category 1C  
Serious eye damage, hazard category 1

H302 Harmful if swallowed.

Cat.: 4

H312 Harmful in contact with skin.

Cat.: 4

H314 Causes severe skin burns and eye damage.

Cat.: 1

H318 Causes serious eye damage.

Cat.: 1

*Possible Environmental Effects:*

#### 2.2. Label Elements

*Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)*

*Hazard designation:*

next page: 2

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## HXTAL NYL-1, Hardener

Page 2

Revised edition: 01.05.2022

Version: 2

Printed: 27.07.2023



GHS05



GHS07



GHS08-2

*Signal word:*

Danger

*Hazard designation:*

|      |  |
|------|--|
| H302 | Harmful if swallowed.                    |
| H312 | Harmful in contact with skin.            |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage.               |

*Safety designation:*

|                |  |
|----------------|--|
| P260           | Do not breathe dust/fume/gas/mist/vapours/spray.   |
| P271           | Use only outdoors or in a well-ventilated area.  |
| P281           | Use personal protective equipment as required.   |
| P301+P310      | If swallowed: Immediately call a poison center or physician.   |
| P301+P330+P331 | If swallowed: Rinse mouth. Do not induce vomiting.   |
| P303+P361+P353 | If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.      |
| P304+P340      | If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.         |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing. |
| P363           | Wash contaminated clothing before reuse.   |
| P501           | Dispose of contents/ container according to regional, national and international regulations.            |

*Hazardous components for labelling:*

### 2.3. Other Hazards

## 3. Composition/Information on Ingredients

### 3.1. Substance

### 3.2. Mixture

*Chemical Characterization:*

*Information on Components / Hazardous Ingredients:*

|  |           |  |
|--|-----------|--|
| Poly(oxy)(methyl-1,2-ethanedyl), alpha-hydro-omega-(2-aminomethylathoxy)-ether 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1) | 96 - 99 % | CAS-Nr: 39423-51-3<br>EINECS-Nr:<br>EC-Nr: |
|--|-----------|--|

|   |       |                  |
|---|-------|------------------|
| Imidazole, 1,3-Diaza-2,4-cyclopentadiene, | < 4 % | CAS-Nr: 288-32-4 |
|---|-------|------------------|

next page: 3

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## HXTAL NYL-1, Hardener

Page 3

Revised edition: 01.05.2022

Version: 2

Printed: 27.07.2023

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Glyoxaline (GHS05-06-07; H302-314-360d)

EINECS-Nr: 206-019-2

EC-Nr: 613-319-00-0

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*Additional information:*

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### 4. First Aid Measures

#### 4.1. Description of the First Aid Measures

*General information:*

*Take affected persons out into the fresh air.*

*After inhalation:*

*Supply fresh air. If required give artificial respiration. Keep patient warm.*

*Give artificial respiration in case breathing is not regular or if it has stopped.*

*After skin contact:*

*Remove contaminated clothing. Wash off immediately with plenty of water and soap.*

*Wash contaminated clothing before reuse.*

*If symptoms persist, consult a physician.*

*After eye contact:*

*Rinse open eyes with plenty of water for at least 15 minutes.*

*Immediately call an ophthalmologist.*

*After ingestion:*

*Do not induce vomiting.*

*Immediately get medical help.*

*Never give anything by mouth to an unconscious person.*

#### 4.2. Most important Symptoms and Effects, both Acute and Delayed

*Symptoms:*

*No further information available.*

*Effects:*

#### 4.3. Indication of any Immediate Medical Attention and special Treatment needed

*Treatment:*

*Treat symptomatically.*

---

### 5. Fire-Fighting Measures

#### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*CO2, extinguishing powder, water spray.*

*Fight larger fire with water jet or alcohol resistant foam.*

*Unsuitable extinguishing media:*

*None known.*

#### 5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

next page: 4

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## HXTAL NYL-1, Hardener

Page 4

Revised edition: 01.05.2022

Version: 2

Printed: 27.07.2023

---

*In case of fire: formation of carbon monoxide.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device and full protective gear.*

*Further information:*

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## 6. Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Wear appropriate protective equipment. Keep spectators away.  
Do not ingest or inhale.  
Avoid contact with skin, eyes and clothing.  
Ensure adequate ventilation.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*Prevent contamination of soil, drains and surface waters.*

### 6.3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

*Contain with absorbent material (sand, earth, vermiculite or diatomaceous earth) and collect in appropriate containers for disposal.*

### 6.4. Reference to other Sections

*For information for safe handling see Section 7.  
Protective clothing, see Section 8.  
Dispose of contaminated material according to Section 13.*

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Wear adequate protective clothing (see para. 8).  
Avoid contact with eyes, skin and clothing.  
Do not swallow or inhale.*

*Hygienic measures:*

*Do not inhale gas/fumes/vapours/aerosols.*

### 7.2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

*Store in tightly sealed containers in a dry and well ventilated location.*

*Requirements for storage areas and containers:*

*Open and handle container with care.*

*Information on fire and explosion protection:*

*No special measures necessary.*

next page: 5

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## HXTAL NYL-1, Hardener

Page 5

Revised edition: 01.05.2022

Version: 2

Printed: 27.07.2023

---

*Storage class:*

*Further Information:*

### 7.3. Specific End Use(s)

*Further information:*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*None known*

*Parameters to be controlled (DE):*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Facilities storing or utilizing this material should be equipped with an eyewash and shower facility.*

*Adequate ventilation.*

*Personal Protection*

*General protective measures:*

*Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.*

*Respiratory protection:*

*Required in case of insufficient ventilation.*

*Hand protection:*

*Protective gloves (EN 374)*

*Protective glove material:*

*Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.*

*Eye protection:*

*Tightly fitting safety goggles (EN 166).*

*Body protection:*

*Environmental precautions:*

*Prevent from getting into the soil, surface water and sewage system.*

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## 9. Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

*Form: liquid*

*Color: clear-transparent*

next page: 6

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## HXTAL NYL-1, Hardener

Page 6

Revised edition: 01.05.2022

Version: 2

Printed: 27.07.2023

---

|   |   |
|---|---|
| Odor:                                       | <i>ammoniacal</i>   |
| Odor threshold:                             | <i>no information available</i>   |
| pH-Value:                                   | 12.3  |
| Melting temperature:                        | <i>not available</i>  |
| Boiling temperature:                        | > 256°C (493°F)   |
| Flash point:                                | <i>not available</i>  |
| Evaporation rate:                           | <i>No information available.</i>  |
| Flammability (solid, gas):                  | <i>not available</i>  |
| Upper explosion limit:                      | <i>no information available</i>   |
| Lower explosion limit:                      | <i>no information available</i>   |
| Vapor pressure:                             | <i>not determined</i>   |
| Vapor density:                              | > 1   |
| Density:                                    | 0.98 g/cm <sup>3</sup>  |
| Solubility in water:                        | <i>soluble</i>  |
| Coefficient of variation (n-Octanol/Water): | <i>not determined</i>   |
| Auto-ignition temperature:                  | <i>Product is not auto-ignitable (Test type: Spontaneous self-ignition at room temperature)</i> |
| Decomposition temperature:                  | <i>No data available.</i>   |
| Viscosity, dynamic:                         | > 80 CPS (25°C)   |
| Explosive properties:                       | <i>Product does not present an explosion hazard.</i>  |
| Oxidizing properties:                       | <i>no information available</i>   |

*Bulk density:*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

next page: 7

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## HXTAL NYL-1, Hardener

Page 7

Revised edition: 01.05.2022

Version: 2

Printed: 27.07.2023

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*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*No further information.*

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### 10. Stability and Reactivity

#### 10.1. Reactivity

*Stable if used according to specifications.*

#### 10.2. Chemical Stability

*Stable if used according to specifications.*

#### 10.3. Possibility of Hazardous Reactions

*None if handled and stored according to specifications.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*No information available.*

*Thermal decomposition:*

#### 10.5. Incompatible Materials

*None known.*

#### 10.6. Hazardous Decomposition Products

*None known.*

#### 10.7. Further Information

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### 11. Toxicological Information

#### 11. 1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

*Acute Toxicity*

*LD50, oral:*

*880 mg/kg (mouse)*

*LD50, dermal:*

*No information available.*

*LC50, inhalation:*

*No information available.*

*Primary effects*

*Irritant effect on skin:*

*Causes severe burns.*

*Irritant effect on eyes:*

*Strong irritant with the danger of severe eye injury (rabbit; OECD 405).*

*Corrosive effect*

*Hydrocarbons, C9, Aromatics:*

*Inhalation:*

*Irritates the respiratory tract.*

next page: 8



# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## HXTAL NYL-1, Hardener

Page 8

Revised edition: 01.05.2022

Version: 2

Printed: 27.07.2023

---

*Ingestion:*

*Toxic if swallowed. Can cause chemical burns in mouth, throat and stomach.*

*Sensitization:*

*No relevant data found.*

*Mutagenicity:*

*No mutagenic effects known.*

*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*IARC: Does not contain any component classified as carcinogenic.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Aspiration hazard:*

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**11. 2. Information on other Hazards**

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**12. Ecological Information**

**12. 1. Aquatic Toxicity**

*Fish toxicity:*

*No data available.*

*Daphnia toxicity:*

*No information available.*

*Bacteria toxicity:*

*No data available.*

*Algae toxicity:*

*No information available.*

**12. 2. Persistency and Degradability**

*Not readily biodegradable.*

**12. 3. Bioaccumulation**

*No bioaccumulation expected.*

**12. 4. Mobility**

*No information available.*

**12. 5. Results of PBT- und vPvP Assessment**

*Not applicable.*

**12. 6. Endocrine Disrupting Properties**

**12. 7. Other Adverse Effects**

*Water hazard class:*

*Do not let run into surface waters, waste water or soil.  
Danger to drinking water even if small quantities leak into the ground.*

next page: 9

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## HXTAL NYL-1, Hardener

Page 9

Revised edition: 01.05.2022

Version: 2

Printed: 27.07.2023

---

*Behaviour in sewage systems:*

*Further ecological effects:*

*Rinse off of bigger amounts into drains or aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms.*

*The pH-value is reduced significantly when the used product is diluted, so that the waste water which might enter the sewage system is only slightly hazardous to water.*

*AOX Value:*

---

### 13. Disposal Considerations

#### 13.1. Waste Treatment Methods

*Product:*

*Dispose of according to official national and local regulations.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Contaminated packaging must be disposed like the substance.*

*Waste Code No.:*

---

### 14. Transport Information

#### 14.1. UN Number

*ADR, IMDG, IATA* 2735

#### 14.2. UN Proper Shipping Name

*ADR/RID:* AMINE, FLÜSSIG, ÄTZEND, N.A.G. (Alkyletheramin)

*IMDG/IATA:* AMINES, CORROSIVE LIQUIDS, N.O.S. (Alkyl ether amine)

#### 14.3. Transport Hazard Classes

*ADR Class:* 8

*Hazard no.:* 8

*Classification code:* C7

*Tunnel restriction code:* E

*IMDG Class (sea):* 8

*Hazard no.:* 8

*EmS No.:* F-A, S-B

*IATA Class:* 8

*Hazard no.:* 8

#### 14.4. Packaging Group

*ADR/RID:* III

*IMDG:* III

*IATA:* III

#### 14.5. Environmental Hazards

None

next page: 10

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## HXTAL NYL-1, Hardener

Page 10

Revised edition: 01.05.2022

Version: 2

Printed: 27.07.2023

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### 14.6. Special Precautions for User

### 14.7. Maritime Transport in Bulk according to IMO Instruments

*not applicable*

### 14.8. Further Information

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## 15. Regulatory Information

### 15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

*Water hazard class:*

*1, slightly hazardous for water (German Regulation, self-assessment)*

*Local regulations on chemical accidents:*

*Employment restrictions:*

*Restriction and prohibition of application:*

*Technical instructions on air quality:*

### 15.2. Chemical Safety Assessment

*A Chemical Safety Assessment has not been carried out for this product.*

### 15.3. Further Information

*TSCA (USA): All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory.*

*SARA 355 (Extremely Hazardous Substances): None of the ingredients are listed.*

*SARA 313 (Toxic Chemicals): None present or none present in regulated quantities.*

*California Prop. 65 (Chemicals known to cause cancer): None of the ingredients are listed.*

*NFPA Ratings (USA): Health: 3; Fire: 0; Reactivity: 0*

*HMIS-Ratings (USA): Health hazard: 4 (Life-threatening, major or permanent damage); Flammability: 0 (Will not burn); Reactivity: 0 (Stable)*

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## 16. Other Information

*This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.*