

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 04-Jun-2015

Print date: 17-Jun-2015



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## Amtech Dynax

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

#### 1.1. Product identifier

Trade name/designation:

Amtech Dynax

Article No.:

DYX10

Additional information:

The substance does not require registration according to Regulation (EC) No 1907/2006 [REACH].

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

Use of the substance/mixture:

Reinigungsmittel

Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Relevant identified uses:

Product Categories [PC]

PC 35: Washing and cleaning products (including solvent based products)

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

Supplier (manufacturer/importer/only representative/downstream user/distributor):

AMTECH UK

Unit 2, Sovereign Business Park

Burgess Hill

RH 15 9TY West Sussex

GREAT BRITAIN

#### 1.4. Emergency telephone number

24h: +44 (1444) 232211

### SECTION 2: Hazards identification

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

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation ( <i>Skin Corr. 1A</i> )	H314: Causes severe skin burns and eye damage.	
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS05  
Corrosion

Signal word: Danger

hazard statements for health hazards	
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

Supplemental Hazard information (EU): -

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### Precautionary statements

P102 Keep out of reach of children.

### Precautionary statements Prevention

P280.2 Wear protective gloves and eye/face protection.

### Precautionary statements Response

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### Special rules for supplemental label elements for certain mixtures:

8,0 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (oral).

8,0 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (dermal).

8,0 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (inhalative).

### 2.3. Other hazards

No data available

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No. 1272/2008 [CLP]	Concentration
CAS No.: 68698-61-3 EC No.: 272-090-1	disodium pentyl phosphate Eye Irrit. 2 <b>Warning</b> H319	4 - 8 Wt %
CAS No.: 10213-79-3 REACH No.: 01-2119449811-37	Natriummetasilikat Pentahydrat Skin Corr. 1A, STOT SE 3, Met. Corr. 1 <b>Danger</b> H290-H314-H335	0 - 1 Wt %

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

Remove affected person from the danger area and lay down. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

#### Following inhalation:

not relevant

#### In case of skin contact:

Subsequently wash off with: Water and soap. After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. Get immediate medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

#### After eye contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

#### After ingestion:

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Rinse mouth. Let water be drunk in little sips (dilution effect). Get medical advice/attention if you feel unwell. Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Get immediate medical advice/attention.

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### Self-protection of the first aider:

No special measures are necessary. Use personal protection equipment.

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

Skin corrosion/irritation Serious eye damage/eye irritation

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

Excess water.. Water spray. Co-ordinate fire-fighting measures to the fire surroundings.

#### Unsuitable extinguishing media:

none

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

none The product itself does not burn.

#### Hazardous combustion products:

none

### 5.3. Advice for firefighters

The product is not: Combustible Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.4. Additional information

none Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

##### Personal precautions:

Use personal protection equipment. Remove persons to safety.

##### Protective equipment:

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

#### 6.1.2. For emergency responders

##### Personal protection equipment:

Protective clothing. Personal protection equipment: see section 8

### 6.2. Environmental precautions

No special environmental measures are necessary. Do not allow to enter into surface water or drains.

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

#### For containment:

Suitable material for taking up: Absorbing material, organic Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

#### For cleaning up:

Clear contaminated areas thoroughly.

### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

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## Amtech Dynax

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Protective measures

##### Advices on safe handling:

No special handling advices are necessary. Wear personal protection equipment (refer to section 8).

##### Fire prevent measures:

No special fire protection measures are necessary. No special measures are necessary.

##### Measures to prevent aerosol and dust generation:

not applicable

##### Advices on general occupational hygiene

General health and safety measures. When using do not eat, drink or smoke. Avoid contact with skin and eyes.

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

##### Technical measures and storage conditions:

No special measures are necessary. Keep container tightly closed in a cool, well-ventilated place.

##### Packaging materials:

none

##### Requirements for storage rooms and vessels:

No special measures are necessary.

##### Hints on storage assembly:

none

**Storage class:** 8B - Non-combustible corrosive substances

##### Further information on storage conditions:

No special fire protection measures are necessary.

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

No data available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No data available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

No special measures are necessary.

##### 8.2.2. Personal protection equipment



##### Eye/face protection:

Eye glasses Eye glasses with side protection

##### Skin protection:

Gloves with long cuffs . Butyl caoutchouc (butyl rubber) Tested protective gloves must be worn DIN EN 374 Suitable material: Breakthrough time (maximum wearing time) min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

##### Respiratory protection:

none

##### Thermal hazards:

Non-combustible liquids.

##### Other protection measures:

none

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## Amtech Dynax

### 8.2.3. Environmental exposure controls

No special environmental measures are necessary.

### 8.3. Additional information

No data available

## SECTION 9: Physical and chemical properties

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

#### Appearance

**Physical state:** liquid

**Colour:** colourless

**Odour:** odourless

#### Safety relevant basis data

parameter		at °C	Method	remark
pH	12	20 °C		
Melting point/freezing point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	100 °C			
Decomposition temperature (°C):	<i>not applicable</i>			
Flash point	<i>not applicable</i>			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>not applicable</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1.09			
Bulk density	<i>not applicable</i>			
Water solubility (g/L)	0 - 100 %	20 °C		
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>	40 °C		

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No known symptoms to date. The product itself does not burn.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

none

### 10.4. Conditions to avoid

Temperature < 50°C

### 10.5. Incompatible materials

none

### 10.6. Hazardous decomposition products

none

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## Amtech Dynax

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
10213-79-3	Natriummetasilikat Pentahydrat	LD <sub>50</sub> oral: 1,152 g/m <sup>3</sup>

#### Acute oral toxicity:

There are no data available on the preparation/mixture itself.

#### Acute dermal toxicity:

There are no data available on the preparation/mixture itself.

#### Skin corrosion/irritation:

Causes burns.

#### Eye damage/irritation:

Causes serious eye damage.

### SECTION 12: Ecological information

#### 12.1. Toxicity

CAS No.	Substance name	Toxicological information
10213-79-3	Natriummetasilikat Pentahydrat	LC <sub>50</sub> : 1,700 mg/l

#### Aquatic toxicity:

There are no data available on the preparation/mixture itself.

#### Terrestrial toxicity:

There are no data available on the preparation/mixture itself.

#### 12.2. Persistence and degradability

No data available

#### 12.3. Bioaccumulative potential

No data available

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
7732-18-5	water	—
68698-61-3	disodium pentyl phosphate	—
10213-79-3	Natriummetasilikat Pentahydrat	—

#### 12.6. Other adverse effects

No data available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

#### Waste code product:

20 03 01	mixed municipal waste
20 01 30	municipal wastes: detergents other than those mentioned in 20 01 29

#### Waste code packaging:

20 01 39	municipal wastes: plastics
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### Waste treatment options

#### Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

#### Appropriate disposal / Package:

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Non-contaminated packages may be recycled. Completely emptied packages can be recycled.

### 13.2. Additional information

No data available

## SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

### 14.1. UN-No.

not relevant

### 14.2. UN proper shipping name

not relevant

### 14.3. Transport hazard class(es)

not relevant

### 14.4. Packing group

not relevant

### 14.5. Environmental hazards

not relevant

### 14.6. Special precautions for user

not relevant

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

none

## SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation

##### authorisations:

All ingredients of this mixture are (pre)registered according to REACH regulation.

##### Other regulations (EU):

VOC-value (in g/L): 0 (0%)

#### 15.1.2. National regulations

##### [DE] National regulations

##### Restrictions of occupation

none

##### Störfallverordnung

##### for substances contained in the product:

Not subject to StörfallVO.

##### Technische Anleitung Luft (TA-Luft)

##### Klasse 1:

Not subject to TA-Luft.

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### Water hazard class (WGK)

#### WGK:

nwg - nicht wassergefährdend

#### remark:

Documentation of self-classification carried out according to VwVwS, 3a.

### Berufsgenossenschaftliche Vorschriften (BGV)

Berufsgenossenschaftliche Informationen (BGI)

### Relevante arbeitsmedizinische Vorschriften

not relevant

### Other regulations, restrictions and prohibition regulations

none

### 15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

### 15.3. Additional information

No data available

## SECTION 16: Other information

### 16.1. Indication of changes

No data available

### 16.2. Abbreviations and acronyms

No data available

### 16.3. Key literature references and sources for data

No data available

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation ( <i>Skin Corr. 1A</i> )	H314: Causes severe skin burns and eye damage.	
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

### 16.6. Training advice

No data available

### 16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.