

## SAFETY DATA SHEET **DYNAX-UC**

Revision Number 1  
Compilation date: 20/10/15

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE OF THE COMPANY/ UNDERTAKING

#### 1.1 Product Identifier

Product name: Dynax-UC

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

Identified uses: No further relevant information available

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

Company name and address:

Bilt Hamber Laboratories Radford Way,  
Billericay,  
Essex,  
CM12 0EG  
United Kingdom

Tel: 01277 658899

Email: sales@bilthamber.com

#### 1.4.Emergency telephone number

01277 658899 (office hours only)

### SECTION 2: HAZARDS IDENTIFICATION

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

##### Classification according to Directive 67/548/EEC or Directive 1999/45/EC

R10-66-67: Flammable. Repeated exposure may cause skin dryness or cracking.  
Vapours may cause drowsiness and dizziness

##### Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent. Has a narcotizing effect.

##### Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data

#### 2.2. Label elements

##### Labelling according to EU Guidelines:

The product has been marked in accordance with EU Directives / respective national laws.  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.  
The R and S phrases may be omitted if packaging contains no more than 0.125 litres.

##### Risk phrases:

10 Flammable.  
66 Repeated exposure may cause skin dryness or cracking.  
67 Vapours may cause drowsiness and dizziness.

##### Safety phrases:

23 Do not breathe vapour/spray.  
24 Avoid contact with skin.  
43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.  
51 Use only in well-ventilated areas.  
60 This material and its container must be disposed of as hazardous waste.

#### 2.3 Other hazards

The petroleum naphtha / petroleum distillate / lubricating oil meet the requirements for not being classified as carcinogenic (<0,1% benzene alt<3% (w/w) DMSO extract (IP 346)).

Results of PBT and vPvB assessment

PBT: Not applicable.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

Description: Mixture of substances listed below with additions.

Dangerous components:		
CAS: 64742-48-9 EINECS: 265-150-3	Naphtha (petroleum), hydrotreated heavy Xn R65 R10-66-67 Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336	25-<50%

Additional information: For the wording of the listed risk phrases refer to section 16

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of first aid measures**

After skin contact: If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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

No further relevant information available.

**4.3. Indication of any immediate medical attention or special treatment needed**

No further relevant information available.

**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1. Extinguishing media**

Suitable extinguishing agents: CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents: Water  
Water with full jet

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

No further relevant information available.

**5.3. Advice for fire-fighters**

Protective equipment: No special measures required

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Wear protective equipment. Keep unprotected persons away.

**6.2. Environmental precautions**

Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

**6.4. Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information

**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke

Protect against electrostatic charges.

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

Storage:  
Requirements to be met by storerooms and receptacles: No special requirements.  
Information about storage in one common storage facility: Not required.  
Further information about storage conditions: Keep container tightly sealed.  
Protect from heat and direct sunlight.

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

No further relevant information available.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

Additional information about design of technical facilities: No further data; see item 7.  
Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.  
Additional information: The lists valid during the making were used as basis.

**8.2. Exposure controls**

Personal protective equipment:  
General protective and hygienic measures: Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Respiratory protection: In case of brief exposure or low pollution use respiratory filter device.  
In case of intensive or longer exposure use self-contained respiratory protective device  
Protective gloves  
Protection of hands: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.  
Material of gloves: Nitrile rubber  
Penetration time of glove material: >480 min.  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.  
Eye protection: Tightly sealed goggles.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

Appearance:	
<b>Form:</b>	Liquid
<b>Colour:</b>	Brown
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined
<b>pH:</b>	Not determined
<b>Melting point:</b>	Not determined
<b>Initial boiling point and range:</b>	130°C
<b>Flash point:</b>	40°C
<b>Flammability (solid, gas):</b>	Not applicable
<b>Ignition Temperature:</b>	200°C
<b>Decomposition temperature:</b>	Not determined
<b>Self-igniting:</b>	Product is not self-igniting
<b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible
<b>Explosive limit upper:</b>	Upper: 0.6 Vol %
<b>Explosive limit lower:</b>	Lower: 6.5 Vol %

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<b>Vapour pressure at 20°C:</b>	2.1 hPa
<b>Vapour density at 20°C:</b>	0.84 g/cm <sup>3</sup>
<b>Relative density:</b>	Not determined
<b>Vapour density:</b>	Not determined
<b>Evaporation rate:</b>	Not determined
<b>Solubility in/ miscibility with water:</b>	Not miscible or difficult to mix
<b>Partition coefficient:</b>	No information available.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined
<b>Kinematic:</b>	At 20 °C: 20 s
<b>Solvent content:</b>	
<b>Organic solvents:</b>	44.6%
<b>Solids content:</b>	55.4 %

**9.2. Other information**

No further information available.  
VOC (EU): 44.60 %  
VOC (EU): 374.6 g/l  
VOCV: 44.6%

**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

**10.2. Chemical stability**

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

**10.3. Possibility of hazardous reactions**

No dangerous reactions known.

**10.4. Conditions to avoid**

No further relevant information available.

**10.5. Incompatible materials**

No further relevant information available.

**10.6. Hazardous decomposition products**

Carbon monoxide

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

Acute toxicity:

LD/LC50 values relevant for classification:		
64742-48-9 Naphtha (petroleum), hydrotreated heavy		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab)

Primary irritant effect:

On the skin: No irritant effect.  
On the eye: No irritating effect.  
Sensitisation: No sensitising effects known

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity**

Aquatic toxicity: No further relevant information available.

**12.2. Persistence and degradability**

No further relevant information available.

**12.3. Bioaccumulative potential**

No further relevant information available.

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**12.4. Mobility in soil**

No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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

PBT: Not applicable.

vPvB: Not applicable.

**12.6. Other adverse effects**

No further relevant information available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue	
<b>08 00 00</b>	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VI TREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
<b>08 01 00</b>	Wastes from MFSU and removal of paint and varnish
<b>08 01 11*</b>	Waste paint and varnish containing organic solvents or other dangerous substances

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations

**SECTION 14: TRANSPORT INFORMATION**

**14.1. UN number**

ADR, IMDG, IATA

UN1139

**14.2. UN proper shipping name**

ADR

1139 COATING SOLUTION, special provision 640E

IMDG, IATA

COATING SOLUTION

**14.3. Transport hazard class(es)**

ADR, IMDG, IATA

Class

3 Flammable liquids

Label

3

**14.4. Packing group**

ADR, IMDG, IATA

III

**14.5. Environmental hazards**

Marine pollutant:

No

**14.6. Special precautions for user**

Warning: Flammable liquids.

Danger code (Kemler):

30

EMS Number:

F-E,S-E

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

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

Not applicable.

Transport/Additional information:

For ADR and IMDG: Transport and packing are in accordance with the regulation for limited quantities. These products are therefore classified as no dangerous goods.

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ADR  
Limited quantities (LQ) 5L  
Transport category 3  
Tunnel restriction code D/E

**SECTION 15: REGULATORY INFORMATION**

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

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**Risk phrases:**

10 Flammable.  
66 Repeated exposure may cause skin dryness or cracking.  
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**Safety phrases:**

23 Do not breathe vapour/spray.  
24 Avoid contact with skin.  
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51 Use only in well-ventilated areas.  
60 This material and its container must be disposed of as hazardous waste

**National regulations -**

Technical instructions (air):

Class	Share in %
NK	44.6

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

Other regulations, limitations and prohibitive regulations

Please note:

2-1

**15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out

**SECTION 16: OTHER INFORMATION**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H336 May cause drowsiness or dizziness.  
R10 Flammable.  
R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

Department issuing MSDS: Research & Development

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