

## SAFETY DATA SHEET HYDRA-WAX

Revision Number 1  
Compilation date: 01/06/15

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

#### 1.1 Product Identifier

Trade name: hydra-wax

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

Uses of substance / mixture: For neutralisation of rust on steel

#### 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 under CLP:

-: EUH066; -: EUH210

Most important adverse effects: Repeated exposure may cause skin dryness or cracking.  
Safety data sheet available upon request.

#### 2.2. Label elements

Hazard Statements:

EUH066: Repeated exposure may cause skin dryness or cracking.

EUH210: Safety data sheet available upon request.

Precautionary statements: P280: Wear protective gloves/eye protection

Other hazards: PBT/vPvB: Not relevant

#### 2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Mixtures

Hazardous ingredients:

HYDROCARBONS, C11-C14, N-ALKALINES, ISOALKALINES, CYCLICS, <2% AROMATICS – REACH registered number(s): 01-2119456620-43

EINECS	CAS	PBT / WEL	CLP Classification	Percent
926-141-6	-	-	Asp. Tox. 1: H304; -: EUH066	30-50%

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

Skin Contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Consult a doctor.

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

Skin contact:	There may be mild irritation at the site of contact.
Eye contact:	There may be irritation and redness.
Ingestion:	There may be irritation of the throat.
Inhalation:	There may be irritation to the throat with a feeling of tightness in the chest.

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

Immediate / special treatment: Not applicable.

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

Extinguishing media:: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

Exposure hazards: In combustion emits toxic fumes.

#### 5.3. Advice for fire-fighters

Advise for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Personal procedures: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

#### 6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

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

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

#### 6.4. Reference to other sections

Refer to other sections: Refer to section 8 of SDS.

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area.

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

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

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

Specific end use(s): Not applicable

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

Workplace exposure limits:	No data available
DNEL/PMEC Values	
DNEL / PNEC :	No data available

#### 8.2. Exposure controls

Respiratory protection:	Respiratory protection not required.
Hand protection:	Protective gloves.
Eye protection:	Safety glasses. Ensure eye bath is to hand.
Skin protection:	Protective clothing.
Environmental:	No special requirement.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.

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

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<b>Physical State:</b>	Liquid
<b>Form:</b>	Clear
<b>Colour:</b>	Colourless
<b>Odour:</b>	Slight
<b>Odour Threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Melting Point:</b>	No data available
<b>Freezing Point:</b>	No data available
<b>Initial Boiling Point / and Boiling Range:</b>	180°C (356°F) - 270°C (518°F) [ASTM D86]
<b>Flash Point [Method]:</b>	>70°C (158°F) [ASTM D-93]
<b>Evaporation Rate (n-butyl acetate = 1):</b>	< 0.01 [In-house method]
<b>Flammability (Solid, Gas):</b>	No data available
<b>Upper/Lower Flammable Limits (Approximate volume % in air):</b>	UEL: 7.0 LEL: 0.6 [Extrapolated]
<b>Vapour Pressure:</b>	[N/D at 20°C]   < 0.1 kPa (0.75 mm Hg) at 25°C [In-house method]
<b>Vapour Density (Air = 1):</b>	> 1 at 101 kPa [Calculated]
<b>Relative Density (at 15 °C):</b>	0.771 - 0.871 [With respect to water] [Calculated]
<b>Solubility(ies):</b>	water Negligible
<b>Partition coefficient (n-Octanol/Water Partition Coefficient):</b>	No data available
<b>Autoignition Temperature:</b>	>200°C (392°F) [Extrapolated]
<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	[N/D at 40°C]   2 cSt (2 mm <sup>2</sup> /sec) at 20°C - 3.5 cSt (3.5 mm <sup>2</sup> /sec) at 20°C [ASTM D7042]
<b>Explosive Properties:</b>	None
<b>Oxidizing Properties:</b>	None

### 9.2. Other information

Density (at 15 °C):	770 kg/m <sup>3</sup> (6.43 lbs/gal, 0.77 kg/dm <sup>3</sup> ) - 870 kg/m <sup>3</sup> (7.26 lbs/gal, 0.87 kg/dm <sup>3</sup> ) [ISO 12185]
Pour Point:	< -20°C (-4°F) [ASTM D5950]
Molecular Weight:	185 G/MOLE [Calculated]
Hygroscopic:	No
Coefficient of Thermal Expansion:	0.00091 V/V/DEG C [In-house method]

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

Chemical stability: Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition.

### 10.5. Incompatible materials

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Materials to avoid: Strong acids. Strong oxidising agents.

### 10.6. Hazardous decomposition products

Hazardous decomposition products: In combustion emits toxic fumes.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Hazardous ingredients:

HYDROCARBONS, C11-C14, N-ALKALINES, ISOALKALINES, CYCLICS, <2% AROMATICS

DERMAL	RBT	LD50	>2000	mg/kg
ORAL	RAT	1H LC50	>5000	mg/kg

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact:

There may be mild irritation at the site of contact.

Eye contact:

There may be irritation and redness.

Ingestion:

There may be irritation of the throat.

Inhalation:

There may be an irritation of the throat with a feeling of tightness in the chest.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Hazardous ingredients:

HYDROCARBONS, C11-C14, N-ALKALINES, ISOALKALINES, CYCLICS, <2% AROMATICS

Daphnia magna	48H EC50	>10	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	>10	mg/l

### 12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

### 12.3. Bioaccumulative potential

No bioaccumulation potential.

### 12.4. Mobility in soil

Mobility:

Readily absorbed into soil.

Volatile.

Insoluble in water.

Floats on water.

### 12.5. Results of PBT and vPvB assessment

PBT identification:

This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

Other adverse effects:

Negligible ecotoxicity.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

NB:

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## SECTION 14: TRANSPORT INFORMATION

Transport class:

This product does not require a classification for transport.

## SECTION 15: REGULATORY INFORMATION

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

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### 15.2 Chemical safety assessment:

#### SECTION 16: OTHER INFORMATION

Other information:	This data safety sheet is prepared in accordance with Commission Regulation (EU) No 453/2010. * Indicates text in the SDS which has changed since last revision.
Phrases used in section 2 and section 3:	EUH066: Repeated exposure may cause skin dryness or cracking. EUH210: Safety data sheet available upon request. H304: May be fatal if swallowed and enters airways.
Legal disclaimer:	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.