

**BILT-HAMBER LABORATORIES LTD**  
**PRODUCT SAFETY DATA SHEET**  
(according to Regulation (EC) No. 453/2010)

**1. Identification of the substance/mixture & of the company/undertaking**

**1.1 Product Identifier**

Trade Name : **Surfex HD**

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

Use of the Substance/Mixture : Automotive Cleaner

Recommended restrictions :At this time we do not have information on restrictions on use. They will be included when available

**1.3 Details of the supplier of the safety data sheet**

Company : BILT-HAMBER LABORATORIES Radford Way  
Billericay, Essex CM12 9SB

**1.4 Emergency telephone number**

Emergency phone number : (Office hours only): 01277 655326

**2. Hazards Identification.**

**2.1 Classification of the substance or mixture**

**Classification according to EU Directive 1999/45/EC**

Hazard Symbol/Category of danger	Risk Phrases
Irritant	R36

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

Refer to Section 16.

**2.2 Label elements**

**Labelling according to EU Directive 1999/45/EC**

**Hazard Symbol:**



**Classification:** Xi Irritant

**Risk Phrases:** R36: Irritating to eyes

**Safety Phrases**

S2:	Keep out of reach of children.
S24/25:	Avoid contact with skin and eyes
S26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S37/39:	Wear suitable gloves and eye/face protection.

## Labelling according to Regulation (EC) No 1272/2008

Refer to Section 16.

### 2.3 Other hazards

No other information is available

### Hazardous components which must be listed on the label

None

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### 3. Composition/Information on Ingredients.

#### 3.2 Mixtures

<b>Ingredient Name</b>	<b>Identifiers</b>	<b>Classification 67/548/EEC</b>	<b>Classification EC/1272/2008</b>	<b>Concentration Range</b>
Ethoxylated Alcohol	EC – Polymer CAS – 68439-46-3	Harmful R22 Irritant R41	Acute Tox 4 H302 Eye Damage 1 H318	5-10%
Cationic Surfactant	EC – Polymer CAS – 68989-03-7	Irritant R36 Dangerous to the environment R51/53	Eye Irritation 2 H319 Aqua Chronic 2 H411	1-2.5%

For the wording of the listed R phrases or H statements, refer to section 16.

### 4. First Aid Measures.

#### 4.1 Description of first aid measures

**Eye Contact:** Flush with plenty of clean water for at least 15 minutes. If irritation persists obtain medical attention.

**Skin Contact:** Wash off with water. The application of skin reconditioning (emollient) cream can be beneficial.

**Inhalation:** Remove to fresh air. If symptoms persist, seek medical advice.

**Ingestion:** Do not induce vomiting. Rinse mouth with water. Call for medical advice.

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

No further information available

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

Treatment: Treat symptomatically

### 5. Fire Fighting Measures:

#### 5.1 Extinguishing Media

Suitable Extinguishing Media : Foam, Dry Powder, Co2, fine water spray suitable.

Unsuitable Extinguishing Media : None

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

Not classed as flammable, if involved in a fire may emit noxious fumes.

### **5.3 Advice for fire fighters**

Wear self contained breathing apparatus and protective clothing. Cool closed containers exposed to the fire with water spray. Prevent water run-off from discharging into drains.

## **6. Accidental Release Measures.**

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

Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves. Avoid contact with skin and eyes.

### **6.2 Environmental precautions**

Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.

### **6.3 Methods and materials for containment and cleaning up**

Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

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### **6.4 Reference to other sections**

For personal protection refer to section 8

## **7. Handling and Storage.**

### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Observe good standards of industrial hygiene. Take note of emission threshold.

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

Keep containers tightly closed. Store between 10-35°C. Protect from frost. Do not store in extremes of temperature or near foodstuffs.

### **7.3 Specific end uses**

To be used as a hard surface cleaner.

## **8. Exposure Controls/Personal Protection.**

### **8.1 Control parameters**

WEL's not listed for individual components

### **8.2 Exposure controls**

Respiratory Protection: Unlikely to be necessary where adequate ventilation is provided.

Eyes: Eye protection should be worn.

Hand: PVC or rubber gloves are recommended.

Skin: Remove contaminated clothing and wash with soap and water.

### 8.2.3 Environmental exposure controls

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

## 9. Physical and Chemical Properties.

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Green Fluid
<b>Odour:</b>	Apple fragrance
<b>Odour Threshold:</b>	Not determined
<b>pH Neat:</b>	13.0 typical
<b>Freezing Point:</b>	0°C
<b>Initial Boiling Point &amp; Boiling Range:</b>	100°C
<b>Flash Point:</b>	Not applicable
<b>Evaporation rate:</b>	Not determined
<b>Flammability:</b>	Not Flammable
<b>Upper/Lower Flammability Limits:</b>	Not applicable
<b>Vapour Pressure:</b>	Not determined
<b>Vapour Density:</b>	Not determined
<b>Relative Density:</b>	1.05 typical @ 20°C
<b>Solubility:</b>	Soluble in water
<b>Partition Coefficient (Oct/Water):</b>	Not determined
<b>Auto Ignition Temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	>100°C
<b>Viscosity:</b>	As water
<b>Explosive Properties:</b>	Not applicable
<b>Oxidising Properties:</b>	Not applicable

### 9.2 Other Information

pH @ 2% in tap water: 12.00 typical

## 10. Stability and Reactivity.

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### 10.1 Reactivity

No information available

### 10.2 Chemical Stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to Avoid:

High temperatures, naked flames

### 10.5 Incompatible materials

Strong oxidising agents, strong acids

## 10.6 Hazardous decomposition products

Oxides of carbon, water vapour and unidentified organic and inorganic compounds, some of which may be toxic may be evolved. Product is stable under normal conditions

## 11. Toxicological Information.

### 11.1 Information on toxicological effects

Eyes: Classified as an eye irritant. Contact is likely to cause irritation and stinging.  
Skin: Not classified as a skin irritant. Brief or occasional contact is unlikely to cause any significant reaction. Prolonged or repeated contact may lead to de-fatting of the skin and/or slight irritation.  
Inhalation: Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract.  
Ingestion: Low order of acute toxicity. Ingestion of this product is not regarded as a significant health hazard, likely to arise in normal use. Swallowing of significant amounts may lead to vomiting and diarrhoea.

Acute Toxicity:	Ethoxylated Alcohol	LD50 Oral (rat)	>2000 mg/kg
	Cationic Surfactant	LD50 Oral (rat)	>2000 mg/kg

## 12. Ecological Information.

### 12.1 Toxicity

Eco-toxicity:	Ethoxylated Alcohol	LC50 96hrs (fish)	1-10 mg/l
		EC50 48hrs (daphnia)	1-10 mg/l

### 12.2 Persistence and Degradability:

The surfactant(s) contained in this preparation complies (comply) with the Biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents, (or are undergoing testing to obtain a derogation within the terms of the directive). Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

### 12.3 Bio-accumulative potential

Not expected to bio-accumulate

### 12.4 Mobility in soil

No information.

### 12.5 Results of PBT and vPvB assessment

No information

### 12.6 Other adverse effects

Not known.

## 13. Disposal Recommendations.

### **13.1 Waste treatment methods**

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations. Dispose of empty containers in accordance with local and national regulations. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

### **14. Transport Information.**

Product is not classified as hazardous for transport.

### **15. Regulatory Information.**

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

Safety data sheet according to Regulation (EC) No. 453/2010.

This mixture has been classified and labelled in accordance with 1999/45/EC. Classification in accordance with EC 1272/2008 is derived from Annex VII in accordance with Article 61 paragraph 5.

1907/2006/EC - Registration, Evaluation, Authorisation and Restriction of Chemicals and amendments.

98/24/EC - Protection of workers from the risk related to chemical agents at work. Refer to Directive for details of requirements.

1272/2008 - Classification, labelling and packaging of substances and mixtures and amendments.

Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s).

The regulatory information provided may not be comprehensive. Other regulations may apply to this product.

#### **15.2 Chemical safety assessment**

No information at the present time.

### **16. Other Information.**

#### **Classification according to Regulation (EC) No 1272/2008**

Hazard Class	Hazard Category	Hazard Statements
Eye Irritation	Category 2	H319

#### **Labelling according to Regulation (EC) No 1272/2008**

Hazard Symbols:



Signal word: **Warning**

Hazard Statements: H319 Causes serious eye irritation

Precautionary Statements:

General:

P102: Keep out of reach of children

Prevention:

P280: Wear protective gloves/eye protection

Response:

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

P337 + P313: If eye irritation persists: Get medical advice/attention.

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**Full text of R-phrases referred to under sections 2 & 3**

R22: Harmful if swallowed

R36: Irritating to eyes

R41: Risk of serious damage to eyes

R51/53: Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment

**Full text of H-Statements referred to under sections 2 & 3**

H302: Harmful if swallowed

H318: Causes serious eye damage

H319: Causes serious eye irritation

H411: Toxic to aquatic life with long lasting effects

**Training Advice**

Users should be trained in good industrial hygiene practise.

**Department issuing data specification sheet:** Health and Safety Department

**Contact**

P. Hamber [technical@bilthamber.com](mailto:technical@bilthamber.com)

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

Do not mix with other chemicals.

**Further Information**

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy themselves that the product is entirely suitable for his purpose.

