

SAFETY DATA SHEET
SURFEX HD

Revision Number: 2
Compilation date: 21/06/15
Revision date: 01/11/2017

SECTION 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 substance / mixture: * PC35: Washing and cleaning products (including solvent based products).

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: Eye Dam. 1: H318; Skin Irrit. 2: H315
Most important adverse effects: Causes skin irritation. Causes serious eye damage.

2.2. Label elements

Label elements:
Hazard statements: H315: Causes skin irritation.
H318: Causes serious eye damage.
Hazard pictograms: GHS05: Corrosion



Signal words: Danger

Precautionary statements: P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+352: IF ON SKIN: Wash with plenty of water/soap.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor/first aid.
P332+313: If skin irritation occurs: Get medical advice/attention.

2.3 Other hazards

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ALCOHOLS, C9-11 ETHOXYLATED

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|--------|----------------|-----------|---|---------|
| - | 68439-46 -3 | - | Eye Dam. 1: H318; Acute Tox. 4: H302 | 3-10% |

DISODIUM METASILICATE

| | | | | |
|-----------|-----------|---|---|------|
| 229-912-9 | 6834-92-0 | - | Skin Corr. 1B: H314; STOT SE 3: H335 | 1-3% |
|-----------|-----------|---|---|------|

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TETRASODIUM (1-HYDROXYETHYLIDENE)BIS PHOSPHONATE - REACH registered number(s): 01-2119647955-23

| | | | | |
|-----------|-----------|---|---|------|
| 223-267-7 | 3794-83-0 | - | Skin Irrit. 2: H315; Eye Irrit. 2: H319 | 1-3% |
|-----------|-----------|---|---|------|

Contains: * Labelling in accordance with the Detergents Regulations EC 648/2004:
Less than 5% cationic surfactants
Less than 5% amphoteric surfactants
5% or over but less than 15% nonionic surfactants

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Skin contact:: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

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

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

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

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

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

Advice 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 precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS. 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

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

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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

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): * PC35: Washing and cleaning products (including solvent based products).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required. Self-contained breathing apparatus must be available in case of emergency.

Hand protection: * Gloves (alkali-resistant). Breakthrough time of the glove material > 4 hours.

Eye protection: Safety glasses with side-shields. Ensure eye bath is to hand.

Skin protection: Protective clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|--------------------------------------|--------------------|
| State: | Liquid |
| Colour: | Pale yellow |
| Odour: | Bland |
| Evaporation rate: | Slow |
| Oxidising: | Not applicable. |
| Solubility in water: | Soluble |
| Viscosity: | Non-viscous |
| Boiling point/range°C: | 100 |
| Flammability limits %: lower: | Not applicable. |
| Flash point°C: | Not applicable. |
| Autoflammability°C: | Not applicable. |
| Relative density: | 1.085 typical |
| VOC g/l: | Not applicable. |
| Melting point/range°C: | 0 |
| upper: | Not applicable. |
| Part.coeff. n-octanol/water: | No data available. |
| Vapour pressure: | No data available. |
| pH: | 13.25 typical |

9.2. Other information

Other information: No data available.

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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.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Hazardous ingredients:
ALCOHOLS, C9-11 ETHOXYLATED

| | | | | |
|------|-----|------|-----|-------|
| ORAL | RAT | LD50 | 500 | mg/kg |
|------|-----|------|-----|-------|

DISODIUM METASILICATE

| | | | | |
|-----|-----|------|------|-------|
| ORL | MUS | LD50 | 770 | mg/kg |
| ORL | RAT | LD50 | 1153 | mg/kg |

TETRASODIUM (1-HYDROXYETHYLIDENE)BIS PHOSPHONATE

| | | | | |
|--------|-----|------|-------|-------|
| DERMAL | RAT | LD50 | >5000 | mg/kg |
| ORAL | RAT | LD50 | >2850 | mg/kg |

Relevant hazards for product:

| Hazard | Route | Basis |
|-------------------------------|-------|-----------------------|
| Skin corrosion/irritation | DRM | Hazardous: calculated |
| Serious eye damage/irritation | OPT | Hazardous: calculated |

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

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

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Hazardous ingredients:
ALCOHOLS, C9-11 ETHOXYLATED

| | | | |
|-------------------------|-----------|---------|------|
| Daphnia magna | 48H EC50 | >10-100 | mg/l |
| Scenedesmus Subspicatus | 72H ErC50 | >10-100 | mg/l |

TETRASODIUM (1-HYDROXYETHYLIDENE)BIS PHOSPHONATE

| | | | |
|--|-----------|------|------|
| Daphnia magna | 48H EC50 | 527 | mg/l |
| GREEN ALGA (Selenastrum capricornutum) | 96H ErC50 | 9.16 | mg/l |
| RAINBOW TROUT (Oncorhynchus mykiss) | 96H LC50 | 358 | mg/l |

12.2. Persistence and degradability

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. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil. Soluble in 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

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: Not applicable.

Waste code number: 12 03 01

Disposal of packaging: Clean with water.

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

Specific regulations: * Not applicable.

15.2 Chemical safety assessment:

Chemical safety assessment: * A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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SECTION 16: OTHER INFORMATION

| | |
|------------------------------|---|
| Other information: | This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830. * indicates text in the SDS which has changed since the last revision. Product is not classified as hazardous for transport by Road under ADR 2017 Provision 2.2.8.1.9. |
| Phrases used in s.2 and s.3: | H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H318: Causes serious eye damage. H319: Causes serious eye irritation. H335: May cause respiratory irritation. |
| 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. |