

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 11.05.2015

Version number 15

Revision: 11.05.2015

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

- **1.1 Product identifier**
- **Trade name: Ashbys Spotter 3 PC4368**
- **Article number: 2228**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture**  
Prespotting agents for textile cleaning in solvents.  
For use with Perc, hydrocarbon solvent and Cyclosiloxane D 5 solvent.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Chemische Fabrik Kreussler & Co. GmbH  
Postfach 120454  
D-65082 Wiesbaden
- **Further information obtainable from:**  
Abteilung TQM  
Herr Heiko Schmidt  
+49 (0) 611 9271-144  
Heiko.Schmidt@kreussler.com
- **1.4 Emergency telephone number: +49 (0) 611 9271-0**

#### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Skin Irrit. 2            H315 Causes skin irritation.  
Eye Dam. 1            H318 Causes serious eye damage.  
Aquatic Chronic 3    H412 Harmful to aquatic life with long lasting effects.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
Xi; Irritant  
R38-41: Irritating to skin. Risk of serious damage to eyes.
- **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.
- **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 Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard statements**  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**  
P280                    Wear protective gloves / eye protection.  
P273                    Avoid release to the environment.

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

P332+P313 If skin irritation occurs: Get medical advice/attention.

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

P302+P352 IF ON SKIN: Wash with plenty of water.

**2.3 Other hazards**

The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

**Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

**3.2 Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

EINECS: 203-961-6	2-(2-butoxyethoxy)ethanol Xi R36 Eye Irrit. 2, H319	15-30%
EINECS: 203-933-3	2-butoxyethyl acetate Xn R20/21 Acute Tox. 4, H312; Acute Tox. 4, H332	15-30%
EINECS: 265-159-2	Distillates (petroleum), solvent-dewaxed light paraffinic Asp. Tox. 1, H304	15-30%
EINECS: 209-406-4	Sulfosuccinat-sodiumsalt Xi R38-41 Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315	5.0-15%
Polymer	alcohols C12 – C15 ethoxylated, propoxylated Xi R38; N R50 Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Skin Irrit. 2, H315	5.0-15%
Polymer	Fatty alcohol ether-sulfate Xi R38-41 Eye Dam. 1, H318; Skin Irrit. 2, H315	5.0-15%

**Ingredients according to detergent regulation EC 648/2004**

anionic surfactants	15 - 30%
non-ionic surfactants	5 - 15%

· **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**

· **General information:** Immediately remove any clothing soiled by the product.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:**

Rinse with warm water.

If skin irritation continues, consult a doctor.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** If symptoms persist consult 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 and special treatment needed**

No further relevant information available.

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#### \* SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:** Use normal protective clothing.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

#### \* 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).
- **6.4 Reference to other sections**  
No dangerous substances are released.  
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** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **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:** None.
- **7.3 Specific end use(s)** No further relevant information available.

#### \* SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

##### · 8.1 Control parameters

##### · **Ingredients with limit values that require monitoring at the workplace:**

###### **2-(2-butoxyethoxy)ethanol (15-30%)**

WEL	Short-term value: 101.2 mg/m <sup>3</sup> , 15 ppm
	Long-term value: 67.5 mg/m <sup>3</sup> , 10 ppm

###### **2-butoxyethyl acetate (15-30%)**

WEL	Short-term value: 332 mg/m <sup>3</sup> , 50 ppm
	Long-term value: 133 mg/m <sup>3</sup> , 20 ppm
	Sk

##### · **DNELs**

###### **Sulfosuccinat-sodiumsalt**

Oral	long term/systemic effects	18.8 mg/kg KG/Day (Consumers)
Dermal	long term/systemic effects	18.8 mg/kg/Day (Consumers)
		31.3 mg/kg/Day (Workers)

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Inhalative	long term/systemic effects	13 mg/m <sup>3</sup> (Consumers) 44.1 mg/m <sup>3</sup> (Workers)
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· **PNECs****Sulfosuccinat-sodiumsalt**

Aqua	122 mg/l (Sewage treatment plant) 0.0007 mg/l (Marine water) 0.0066 mg/l (freshwater)
Boden	0.138 mg/kg dw (Soil)
Sediment	0.0653 mg/kg (Marine water) 0.653 mg/kg (freshwater)

· **Additional information:** The lists valid during the making were used as basis.· **8.2 Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and food.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Respiratory protection:** Not required.· **Protection of hands:**

Protective gloves

· **Material of gloves**

PVC or PE gloves

Recommended thickness of the material:  $\geq 0.4$  mm· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Not suitable are gloves made of the following materials:**

Leather gloves

Strong material gloves

· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Protective work clothing

## \* SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

· **pH-value at 20 °C:** 7

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· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.
· <b>Flash point:</b>	> 100 °C (ASTMD93(PMCC))
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	Not determined.
· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Vapour pressure:</b>	Undetermined.
· <b>Density at 20 °C:</b>	0.968 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 (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic at 40 °C:</b>	21 mm <sup>2</sup> /s
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	20.0 %
· <b>9.2 Other information</b>	No further relevant information available.

#### \* 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:** No dangerous decomposition products known.

#### \* SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**

· <b>LD/LC50 values relevant for classification:</b>		
<b>2-(2-butoxyethoxy)ethanol</b>		
Oral	LD-50	3384 mg/kg (rat)
Dermal	LD-50	2700 mg/kg (bunny)
<b>2-butoxyethyl acetate</b>		
Oral	LD-50	2400 mg/kg (rat)

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Dermal	LD-50	1580 mg/kg (bunny)
<b>Distillates (petroleum), solvent-dewaxed light paraffinic</b>		
Oral	LD-50	>5000 mg/kg (rat)
Dermal	LD-50	>5000 mg/kg (rabbit)
Inhalative	LC-50/4 h	5.53 mg/m <sup>3</sup> (rat)
<b>Sulfosuccinat-sodiumsalt</b>		
Oral	LD-50	1900 mg/kg (rat)
<b>alcohols C12 – C15 ethoxylated, propoxylated</b>		
Oral	LD-50	>2000 mg/kg (rat)
<b>Fatty alcohol ether-sulfate</b>		
Oral	LD-50	>10000 mg/kg (rat)
Dermal	LD-50	>2000 mg/kg (rat)

- **Primary irritant effect:**

- **Skin corrosion/irritation** Irritant to skin and mucous membranes.

- **Serious eye damage/irritation** Strong irritant with the danger of severe eye injury.

- **Respiratory or skin sensitisation** No sensitising effects known.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

## \* SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

### 2-(2-butoxyethoxy)ethanol

EC-10 (17 h)	1170 mg/l (Pseudomonas putida)
EC-50 24h	2850 mg/l (Daphnia magna)
LC-50 96h	1300 mg/l (Lepomis macrochirus)
NOEC (96h)	>100 mg/l (Desmodesmus subspicatus)

### 2-butoxyethyl acetate

EC-50 24h	>100 mg/l (Daphnia magna)
EC-50 72h	>100 mg/l (Scenedesmus subspicatus)
LC-50 48 h	10-100 mg/L (Leuciscus idus)

### alcohols C12 – C15 ethoxylated, propoxylated

LC-50 96h	1-10 mg/l (Leuciscus idus)
NOEC (21) d	0.25 mg/l (Daphnia magna)

- **12.2 Persistence and degradability** No further relevant information available.

- **Other information:** The product is biodegradable.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. 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.

Do not allow product to reach ground water, water course or sewage system.

The product may not be released into the environment without control.

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

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

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- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Dispose of in accordance with Local, State, and Federal Regulations.
- **Uncleaned packaging:**
- **Recommendation:** Packaging may be reused or recycled after cleaning.

### \* SECTION 14: Transport information

· <b>14.1 UN-Number</b>	
· <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>14.2 UN proper shipping name</b>	
· <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>Label</b>	-
· <b>ADN/R Class:</b>	Void
· <b>14.4 Packing group</b>	
· <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>Danger code (Kemler):</b>	-
· <b>EMS Number:</b>	-
· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	-

### \* SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Technical instructions (air):**

Class	Share in %
NK	15-30

- **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.

The information of Items 4 through 8 and 10 through 12 partially refers not to the use and the proper application of the product (see Directions for Use/Product Information) but to the release of larger quantities in the case of accidents and irregularities.

The information exclusively describes the safety requirements of the product(s) and is based on the present state of our experience.

Non-ionic tensides can have varying characteristics and classifications despite same CAS-No.

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- **Relevant phrases**

H302 Harmful if swallowed.  
 H304 May be fatal if swallowed and enters airways.  
 H312 Harmful in contact with skin.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H332 Harmful if inhaled.  
 H400 Very toxic to aquatic life.  
 H411 Toxic to aquatic life with long lasting effects.

R20/21 Harmful by inhalation and in contact with skin.  
 R36 Irritating to eyes.  
 R38 Irritating to skin.  
 R41 Risk of serious damage to eyes.  
 R50 Very toxic to aquatic organisms.

- **Department issuing MSDS:**

Department TQM  
 Herr Heiko Schmidt  
 +49 (0) 611/9271-144

- **Contact:** Herr Heiko Schmidt

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 DNEL: Derived No-Effect Level (REACH)  
 PNEC: Predicted No-Effect Concentration (REACH)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 Acute Tox. 4: Acute toxicity, Hazard Category 4  
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
 Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
 Asp. Tox. 1: Aspiration hazard, Hazard Category 1  
 Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1  
 Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2  
 Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

- **\* Data compared to the previous version altered.**

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