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

- 1.1 **Product identifier**
 Trade Name: **Kipp Harzentferner**
 Article No.: n.av.
 Preparation No.: 22
 Registration No.: n.av.
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**
 Use: cleaning agent
- 1.3 **Details of the supplier of the safety data sheet**
- 1.3.1 **Address of the Company / Supplier:**
 Kipp GmbH, Murrstraße 1, D- 70806 Kornwestheim
 Telephone: +49 - 7154-82420, Telefax: +49 - 7154-824210, E-Mail: info@kipp-line.de
- 1.4 **Emergency telephone number**
 Emergency - Telephone of Company / Undertaking Information Centre Specialising in Symptoms of Poisoning
 Telephone: +49 - 7154-82420 (8:00 – 16:30) Telephone: +44 870 600 6266

SECTION 2: Hazards identification

- 2.1 **Classification of the substance or mixture**
Classification and labelling according to Directive 1272/2008/EC:
 Skin Irrit. 2 H 315 / Eye Dam. 1 H 318
- 2.2 **Label elements**
 Classification according to 1272/2008/EC: Yes.
 Applicable Exemptions: No.
 Signal word(s): Danger
 Component(s): contains: Tetrapotassium pyrophosphate
 Hazard pictogram(s): 
- H - Phrases:**
 H315: Causes skin irritation.
 H318: Causes serious eye damage.
- P - Phrases:**
 P262: Do not get in eyes, on skin, or on clothing.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P314: Get medical advice/attention if you feel unwell.
 P101: If medical advice is needed, have product container or label at hand.
- Additional Markings: None.
 The above mentioned labelling is valid for distribution to industrial user.
- 2.3 **Other hazards**
 This mixture contains no substances which are assessed to be PBT or vPvB.

SECTION 3: Composition/information on ingredients

- 3.1 **Substances**

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3.2

Mixtures

Chemical Characterisation:

Mixture

Dangerous Ingredients:

Material			H - phrases	m% - range
CAS - No.	EC - No.	REACH - No.		
2-(2-Butoxyethoxy)ethanol			Eye Irrit. 2 H319	1 - 5%
112-34-5	203-961-6	n. av.		
1-Methoxy-2-propanol			Flam. Liq. 3 H226	1 - 5%
107-98-2	203-539-1	n. av.		
Alcohols, C12-14, ethoxylated propoxylated			Eye Irrit. 2 H319 Aquatic Acute 1 H400	0,1 - 1%
68439-51-0	n.av.	n. av.		
Sodium cumenesulphonate			Skin Irrit. 2 H315 Eye Irrit. 2 H319	5 - 10%
28348-53-0	248-983-7	n. av.		
Potassium cumenesulphonate			Skin Irrit. 2 H315 Eye Irrit. 2 H319	5 - 10%
28085-69-0	248-827-8	n. av.		
Tetrapotassium pyrophosphate			Skin Irrit. 2 H315 Eye Dam. 1 H318 STOT SE 3 H335	1 - 5%
7320-34-5	230-785-7	n. av.		

Text of H - phrases: see section 16

SECTION 4: First aid measures

4.1 **Description of first aid measures**

4.1.1 **Inhalation:**

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

4.1.2 **Skin Contact:**

Wash off immediately with plenty of water. If skin irritation persists, call a physician.

4.1.3 **Eye Contact:**

Call a physician immediately. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

4.1.4 **Ingestion:**

Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting.

Obtain medical attention.

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

None known.

4.3 **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 **Extinguishing media**

5.1.1 **Suitable Extinguishing Media:**

Use dry chemical, CO₂, water spray or "alcohol" foam.

5.1.2 **Extinguishing Media to Avoid:**

None.

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

In the event of fire carbon oxides, sulphur oxides oxides of phosphorus may be formed.

5.3 **Advice for firefighters**

5.3.1 **Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 **Additional Information:**

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

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

See chapter 8.2.2

Contaminated surfaces will be extremely slippery.

6.2 **Environmental precautions**

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Do not allow material to contaminate ground water system. Do not contaminate surface water.
 Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

None.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

7.1.1 Precautions for Safe Handling:

Avoid contact with the skin and the eyes.
 When using, do not eat, drink or smoke.
 Remove and wash contaminated clothing before re-use.
 Wash hands before breaks and at the end of workday.

7.1.2 Precautions in Case of Fire and Explosion:

Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Storage Instructions:

Keep containers tightly closed in a dry, cool and well-ventilated place.

7.2.2 Store away from:

Do not store together with oxidizing agents.

7.2.3 Further Information on Storage Conditions:

None.

7.3 Specific end use(s)

n.av.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Material

Limit Value

2-(2-Butoxyethoxy)ethanol	100 mg/m ³
1-Methoxy-2-propanol	100 ppm
Sodium cumenesulphonate	TLV dust: 10 mg/m ³ (respirable fraction); 3 mg/m ³ (alveole passing fraction)
Potassium cumenesulphonate	TLV dust: 10 mg/m ³ (respirable fraction); 3 mg/m ³ (alveole passing fraction)
Tetrapotassium pyrophosphate	TLV dust: 10 mg/m ³ (respirable fraction); 3 mg/m ³ (alveole passing fraction)

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide appropriate exhaust ventilation at machinery.

8.2.2 Individual protection measures

8.2.2a Respiratory Protection: Not required under normal use

8.2.2b Hand Protection: Protective gloves

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

8.2.2c Eye Protection: Tightly fitting safety goggles

8.2.2d Skin Protection: Long sleeved clothing

8.2.2e Further Information: Observe wearing time limits:

8.2.3 Environmental exposure controls:

n.av.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

9.1.1 Form: liquid

Colour: colourless

Odour: ammoniacal

Odour threshold: n.av.

9.1.2 pH-value, undiluted:

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pH-value, 1% aqueous solution:

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9.1.3	Boiling point / Boiling - range (°C):	n.av.,	Melting point / Melting range (°C):	n.av.
9.1.4	Flash point (°C):	n.ap.,	closed cup	
9.1.5	Flammability (EEC A10/A13):	n.ap.		
9.1.6	Ignition temperature (°C):	n.ap.		
9.1.7	Autoflammability (EEC A16):	n.ap.		
9.1.8	Oxidising properties:	n.ap.		
9.1.9	Explosion hazard:	n.ap.		
9.1.10	Explosion limits (Vol.%) lower:	n.av.,	upper:	n.av.
9.1.11	Vapour pressure:	n.av.		
	Vapour density (Air = 1):	n.av.		
9.1.12	Density (g/ml):	1,08		
9.1.13	Solubility (in Water):	miscible		
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.		
9.1.15	Viscosity:	n.av.		
9.1.16	Solvent content (m %):	1 – 10		
9.1.17	Thermal decomposition (°C):	n.av.		
9.1.18	Evaporation rate:	n.av.		
9.2	Other information			
	n.av.			

SECTION 10: Stability and reactivity

- 10.1 **Reactivity**
None.
- 10.2 **Chemical stability**
Stable under normal conditions.
- 10.3 **Possibility of hazardous reactions**
No dangerous reaction known under conditions of normal use.
- 10.4 **Conditions to avoid**
No conditions to be specially mentioned.
- 10.5 **Incompatible materials**
Incompatible with oxidizing agents.
- 10.6 **Hazardous decomposition products**
No decomposition if stored and applied as directed.
To avoid thermal decomposition, do not overheat.

SECTION 11: Toxicological information

- 11.1 **Information on toxicological effects**
 - Acute Health Effects:
 - Inhalation: n.av.
 - Ingestion: n.av.
 - Skin Contact: n.av.
 - Skin corrosion / irritation: Causes skin irritation.
 - Serious eye damage / irritation: Causes serious eye damage.
 - Respiratory or skin sensitisation: None.
 - Germ cell mutagenicity: n.av.
 - Carcinogenicity: n.av.
 - Reproductive toxicity: n.av.
 - STOT-single exposure: n. av.
 - STOT-repeated exposure: n. av.
 - Aspiration hazard: n. av.

- 11.1.1 – **Practical Experience**
 - 11.1.11 n.av.
 - 11.1.12 **Practical Experience**
 - Observations relevant for classification: None.
 - Further Observations: Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.
 - Classification of the preparation has been done by calculation in accordance with EEC directives.

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SECTION 12: Ecological information

12.1	Toxicity	We have no quantitative data concerning the ecological effects of this product.	
12.2	Persistence and degradability	No data is available on the product itself. Contained tenside is more than 60% biodegradable.	
12.3	Bioaccumulative potential	n.av.	
12.4	Mobility in soil	n.av.	
12.5	Results of PBT and vPvB assessment	n.av.	
12.6	Other adverse effects		
12.6.1	COD-Value, mg/g:	n.av.	
12.6.2	BOD5-Value, mg/g:	n.av.	
12.6.3	AOX-Remarks:	n.av.	
12.6.4	Significant Components:	Surfactant	
12.6.5	Other adverse effects:	n.av.	

SECTION 13: Disposal considerations

13.1	Waste treatment methods		
13.1.1	Recommendation: D 10 / R1	Waste - Code - No.: 07 07 04	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
		In addition comply with the regional authorities.	
13.2	Contaminated Packaging		
13.2.1	Recommendation:	Wash with suitable cleaner. Otherwise as described under Residues.	
13.2.2	Safe Handling:	As described under Residues.	

SECTION 14: Transport information

	ADR Not a dangerous substance as defined in the above regulations.	IMDG Not a dangerous substance as defined in the above regulations.	IATA Not a dangerous substance as defined in the above regulations.
14.1	UN number		
14.2	UN proper shipping name		
14.3	Transport hazard class(es)		

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14.4	Packing group		
14.5	Environmental hazards		
14.6	Special precautions for user		
	Transport category: Classification Code: Hazard - No.: LQ:		Packing Instructions (Passenger) Packing Instructions (Cargo)
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		

SECTION 15: Regulatory information

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
n.av.
- 15.2 **Chemical safety assessment :**
A chemical safety assessment has not been carried out.

SECTION 16: Other information

Text of H phases mentioned in Section 3

H226: Flammable liquid and vapour.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H400: Very toxic to aquatic life.

This datasheet has been compiled in accordance with EU regulation 453/201.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.