

**Cleaning Fluid H14**
**SECTION 1 Identification of the substance/mixture and of the company/undertaking**
**1.1. Product identifier**

**Trade name** : Cleaning Fluid H14

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

**1.2.1 Relevant identified uses** : Cleaning product

**1.3. Details of the supplier of the safety data sheet** : Kemet International Ltd  
Parkwood Trading Estate, Maidstone,  
Kent ME15 9NJ UK

**e-mail** : sales@kemet.co.uk

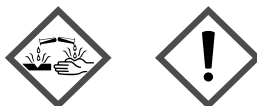
**1.4 Emergency telephone number** : +44(0)1622 755287

**SECTION 2 Hazards identification**
**2.1. Classification of the substance or mixture**
**2.1.1. Regulation (EC) No 1272/2008 (CLP)**

**Health hazards** : Acute toxicity, Oral - Category 4 (Acute Tox. 4) - H302  
Skin corrosion - Category 1A (Skin Corr. 1A) - H314

**2.2. Label elements**
**2.2.1 Labelling EC 1272/2008 (CLP)**

**Contains** : Potassium hydroxide  
D-Glucopyranose, oligomers, decyl octyl glycosides

**Hazard pictograms**


**Signal words** : Danger

**Hazard statements** : H302 : Harmful if swallowed  
H314 : Causes severe skin burns and eye damage

**Precautionary statements :**

**Cleaning Fluid H14**
**SECTION 2 Hazards identification (continued)**

- **Prevention** : P280 : Wear protective gloves/protective clothing/eye protection/face protection.
- **Response** : P301+P330+P331 : If swallowed: Rinse mouth. Do NOT induce vomiting.  
 P303+P361+P353 : IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 P305+P351+P338 : 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 or doctor/physician
- **Disposal considerations** : P501 : Dispose in a safe manner in accordance with local/national regulations.
- 2.3. Other hazards** : None under normal conditions

**SECTION 3 Composition/information on ingredients**

- 3.1./3.2. Substance / Preparation** : Preparation  
**Components contributing to the hazard :**

Substance name	Contents	CAS No	EC No	Index No	Ref REACH	Classification
Potassium hydroxide	25 to 40 %	1310-58-3	215-181-3	019-002-00-8	01-2119487136-33	Xn; R22 C; R35 ----- Met. Corr. 1;H290 Acute Tox. 4 (Oral);H302 Skin Corr. 1A;H314
D-Glucopyranose, oligomers, decyl octyl glycosides	< 2 %	68515-73-1	500-220-1	----	01- 2119488530-36	Xi; R41 ----- Eye Dam. 1;H318

**SECTION 4 First aid measures**
**4.1. Description of first aid measures**

- Inhalation** : Not specifically applicable (aqueous liquid)
- Skin contact** : Remove/Take off immediately all contaminated clothing  
Immediately call a POISON CENTER or doctor/physician  
Rinse skin with water/shower.
- Eye contact** : Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER or doctor/physician
- Ingestion** : Rinse mouth.  
Do NOT induce vomiting  
Immediately call a POISON CENTER or doctor/physician  
If possible show him this sheet. Failing this, show him the packaging or label

**4.2. Most important symptoms and effects, both acute and delayed** : No information available

**4.3. Indication of any immediate medical attention and special treatment needed** : No information available

**Cleaning Fluid H14**
**SECTION 5 Fire-fighting measures**
**5.1. Extinguishing media**

**Suitable extinguishing media** : water

**Unsuitable extinguishing media** : None to our knowledge. If there is a fire close by, use suitable extinguishing agents

**5.2. Special hazards arising from the substance or mixture** : May release hazardous fumes.

**5.3. Advice for firefighters**

**Specific fire fighting methods** : Contain the extinguishing fluids by bunding

**Protection of fire-fighters** : Complete protective clothing  
Self-contained breathing apparatus

**SECTION 6 Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures** : Avoid contact with skin and eyes

**6.2. Environmental precautions** : Contain the spilled material by bunding  
Avoid direct discharge into drains

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

**- Neutralization** : Absorb with :  
- earth or sand  
Carefully neutralize spilled liquid, using :  
- a diluted hydrochloric acid solution

**- Cleaning/decontamination** : Then wash with plenty of water

**- Disposal** : Do not discharge into drains

**6.4 Reference to other sections** : For further information refer to section 8 "Exposure controls/personal protection"

**SECTION 7 Handling and storage**
**7.1. Precautions for safe handling**

**Technical measures** : Does not require any specific or particular measures

**Industrial hygiene** : Always wash your hands immediately after handling this product, and once again before leaving the workplace  
Do not eat, drink or smoke during use  
Wash contaminated clothing before reuse

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

**Technical measures** : The floor of the depot should be impermeable and designed to form a tight basin

**Storage conditions**

**- Recommended** : To guarantee the quality and properties of the product, keep :  
- at room temperature  
- the container tightly closed  
- only in the original container

**Incompatible products** : Strong acids

**Packaging materials**

**- Recommended** : Rigid plastic materials

**- Not suitable** : Aluminium and its alloys  
Light metals  
Glass

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## SECTION 7 Handling and storage (continued)

7.3. Specific end use(s) : No data

## SECTION 8 Exposure controls/personal protection

## 8.1. Control parameters

8.1.1. Occupational Exposure Limits : Potassium hydroxide : France : LEP - VLE (15min; mg/m<sup>3</sup>) : 2  
 Potassium hydroxide : United Kingdom : WEL - STEL (15min; mg/m<sup>3</sup>) : 2  
 Potassium hydroxide : Hungary : ÁK - TWA (8h; mg/m<sup>3</sup>) : 2  
 Potassium hydroxide : Hungary : ÁK - STEL (15min; mg/m<sup>3</sup>) : 2  
 Potassium hydroxide : Belgium : GWBB - STEL (15min; mg/m<sup>3</sup>) : 2  
 Potassium hydroxide : USA (NIOSH) : REL - STEL (15min; mg/m<sup>3</sup>) : 2  
 Potassium hydroxide : Switzerland : LEP - VME (8h; mg/m<sup>3</sup>) : 2 Aerosol

## 8.2. Exposure controls

## Personal protection :

- Respiratory protection : If the ventilation is suitable, it is not essential to wear respiratory equipment  
 - Hand protection : Protective gloves made of rubber  
 - Eye protection : Safety goggles  
 - Skin protection : Protective clothing (with elasticated cuffs and closed neck)  
 Collective emergency equipments : Safety shower  
 Eye fountain

## SECTION 9 Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

## 9.1.a. Appearance

Physical state : Liquid  
 Colour : yellow  
 9.1.b. Odour : None  
 9.1.c. Odour threshold : No information available  
 9.1.d. pH : 12.8 ( 1 % aqueous solution)  
 9.1.e. Melting point / Freezing point : No data  
 9.1.f. Initial boiling point - boiling range : > 100 °C  
 9.1.g. Flash point : Not applicable  
 9.1.h. Evaporation rate : No data  
 9.1.i. Flammability : Non flammable.  
 9.1.j. Explosion limits (lower - upper) : Not applicable  
 9.1.k. Vapour pressure : No information available  
 9.1.l. Vapour density : No information available  
 9.1.m. Density : 1.49 g/cm<sup>3</sup> at 20 °C  
 9.1.n. Solubility  
 -in water : Complete  
 9.1.o. Partition coefficient : n-octanol / water : No data  
 9.1.p. Auto-ignition temperature : No information available

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**SECTION 9 Physical and chemical properties (continued)**

- 9.1.q. Thermal decomposition : No data  
 9.1.r. Viscosity : No data  
 9.1.s. Explosive Properties : Not explosive material according to EC criteria  
 9.1.t. Oxidising properties : Non oxidizing material according to EC criteria  
 9.2. Other information

**SECTION 10 Stability and reactivity**

- 10.1. Reactivity  
 10.2. Chemical stability : Stable at ambient temperature and under normal conditions of use  
 10.3. Possibility of hazardous reactions  
 10.4. Conditions to avoid  
 \* 10.5. Incompatible materials : Reacts with :  
     - light metals (Al, Sn, Zn, Fe)  
     - concentrated strong acids  
     - oxidizing materials.  
 10.6. Hazardous decomposition products : No information available

**SECTION 11 Toxicological information**

- 11.1. Information on toxicological effects  
 • Acute toxicity : Harmful if swallowed  
 On ingredients  
 Potassium hydroxide : Rat oral LD50 [mg/kg] : 365  
 • Skin corrosion/irritation : Causes severe burns.  
 • Serious eye damage/irritation : Causes serious eye damage  
 • Respiratory or skin sensitisation : No information available  
 • Germ cell mutagenicity : No information available  
 • Carcinogenicity : No information available  
 • Reproductive toxicity : No information available  
 • STOT-single exposure : No information available  
 • STOT-repeated exposure : No information available  
 • Aspiration hazard : No information available

**Cleaning Fluid H14**
**SECTION 12 Ecological information**
**12.1. Toxicity**
**On ingredients**

**Potassium hydroxide** : 24 Hours - EC50 - Daphnia magna [mg/l] : 270  
 : 96 Hours - LC50 - Fish [mg/l] : 80

**12.2. Persistence and degradability**
**Biodegradability**

: 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

**12.3. Bioaccumulative potential**

: No data

**12.4. Mobility in soil**

: In water, material soluble.

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

: No data

**12.6. Other adverse effects**
**SECTION 13 Disposal considerations**
**13.1. Waste treatment methods**
**- Switzerland**

: OTD/OMoD ordinance : code 070104

**WASTE FROM PRODUCT :**
**Destruction/Disposal**

: Do not discharge into drains or waterways without neutralizing.  
 Do not allow product to spread into the environment  
 Conform to current legislation, regulations and orders  
 Neutralize prior to disposal (pH between 5.5 and 8.5) with : Hydrochloric acid  
 Dispose of at a licensed waste collection center

**CONTAMINATED PACKAGING :**
**Decontamination/cleaning**

: Rinse with water

**Destruction/Disposal**

: Recycle following cleaning

**NOTE**

: The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal

**SECTION 14 Transport information**
**14.1. UN number**

: UN 1814

**14.2. UN proper shipping name**

: POTASSIUM HYDROXIDE SOLUTION

**14.3. Transport hazard class(es)**

: 8

**Hazard Label(s)**

: 8


**14.4. Packing group**

: II

**14.5. Environmental hazards**

: Not classified as dangerous to the aquatic environment  
 Marine pollutant : NO

**14.6. Special precautions for user**

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**SECTION 14 Transport information (continued)**

<b>Rail/road (RID/ADR)</b>	: Classification code : C5 Hazard identification number : 80 Tunnel restriction code : (E)
<b>Sea transport</b>	: EmS Nr : F-A, S-B Segregation group : 18 - alkalis
<b>Air transport (OACI/IATA)</b>	: Cargo aircraft: Packing instruction: 855 Quantity: 30 L Passenger aircraft: Packing instruction: 851 Quantity: 1 L

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : -

**SECTION 15 Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture** : Ensure all national/local regulations are observed.

**Germany :** : WGK (Water-endangerment class) : 1  
**REGULATION EC No 648/2004** : Contains :  
Non-ionic surfactants < 5 %  
- Phosphonates : < 5 %

**15.2. Chemical safety assessment**

**SECTION 16 Other information**

<b>Further information</b>	: Product for industrial use only For more information regarding the use of this product, please refer to our technical information or contact the sales department in your region This safety data sheet has been written in conformity with the regulation (UE) 453/2010.
<b>Text of R-Phrases in § 3</b>	: R22 : Harmful if swallowed. R35 : Causes severe burns. R41 : Risk of serious damage to eyes.
<b>Text of H-Phrases in § 3</b>	: H290 - May be corrosive to metals H302 - Harmful if swallowed H314 - Causes severe skin burns and eye damage H318 - Causes serious eye damage
<b>* Update</b>	: Modifications are indicated by an asterisk (*)


This sheet complements the technical sheets but does not replace them. The information given is based on our knowledge of the product, at the time of publication. It is given in good faith.

Besides, the attention of the user is drawn to the possible risks incurred by using the product for any other use than that for which it was intended.

In no way does this exempt the user from knowing and applying all the regulations controlling his activity. He alone will take on the responsibility for taking the precautions involved by the use of the product.

The aim of all the mandatory regulations mentioned is just to help the user to fulfil his obligations regarding the use of hazardous products.

This information must not be considered exhaustive. It does not exempt the user from ensuring that other obligations than those mentioned could apply, related to the storage and use of the product, this being his sole responsibility.

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