



SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1	Product identifier	
	GHS Product Identifier	KEMOL™ FA 16
	Chemical Name	<i>Hexadecan-1-ol</i>
	Other names	Cetyl alcohol
	CAS No.	36653-82-4
	EINECS No.	253-149-0
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Identified use(s)	Emulsifier, Thickening agent
	Uses advised against	None known.
1.3	Details of the supplier of the safety data sheet	
	Company Identification	The Soap Kitchen Unit 8 Caddsdawn Industrial Park Clovelly Road, Bideford Devon EX39 3DX +44 (0)1237 420872 www.thesoapkitchen.co.uk info@thesoapkitchen.com
	Telephone:	
	Website:	
	Email:	

2. SECTION 2: HAZARDS IDENTIFICATION

2.1	Classification of the substance or mixture	
2.1.1	Regulation (EC) No. 1272/2008 (CLP)	Not classified as dangerous according to EC 1272/2008
2.1.2	Directive 67/548/EEC & Directive 1999/45/EC	Not classified as dangerous according to 67/548/EEC
2.2	Label elements	Not classified as dangerous according to EC 1272/2008
2.2.1	Label elements	
	GHS Product Identifier	Kemol FA16
	Hazard pictogram(s)	Not required
	Signal word(s)	Not required
	Hazard statement(s)	None required
	Precautionary statement(s)	None required
2.2.2	Label elements	According to Directive 67/548/EEC : Not applicable
2.3	Other hazards	Not applicable
2.4	Additional Information	

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

EC Classification No. 1272/2008

Ingredient(s)	%W/W	CAS No.	EC No.	Hazard statement(s)
Hexadecan-1-ol	>90 %	36653-82-4	253-149-0	Not classified

EC Classification No. 67/548/EEC

Ingredient(s)	%W/W	CAS No.	EC No.	Classification and Risk Phrases
Hexadecan-1-ol	>90 %	36653-82-4	253-149-0	Not classified

3.3 Additional Information

For full text of R/H/P phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

Unlikely route of exposure. Remove persons affected by vapour to fresh air. Apply artificial respiration if breathing has ceased or shows signs of failing. Administer oxygen if necessary. If symptoms develop, obtain medical attention.

Skin Contact

Remove contaminated clothing and wash affected skin with plenty of soap and water. Wash contaminated clothing before reuse. If symptoms develop, obtain medical attention.

Eye Contact

Obtain medical attention. If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes.

Ingestion

Provided the patient is conscious, wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Do not induce vomiting without medical advice. If symptoms occur obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Irritation, coughing, nausea, vomiting

4.3 Indication of the immediate medical attention and special treatment needed

Increased difficulty in breathing.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Unsuitable Extinguishing Media

Water jet

5.2 Special hazards arising from the substance or mixture

Combustible but not readily ignited.

5.3 Advice for fire-fighters

Self-contained breathing apparatus to be worn if involved in fire. Water spray should be used to cool containers.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

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|--|---|
| 6.1 Personal precautions, protective equipment and emergency procedures | Put on protective clothing. Avoid contact with skin and eyes. Eliminate sources of ignition. |
| 6.2 Environmental precautions | Do not allow to enter drains, sewers or watercourses. |
| 6.3 Methods and material for containment and cleaning up | Sweep up spilled substance. Transfer to a lidded container for disposal or recovery.
To be disposed of as hazardous waste. |
| 6.4 Reference to other sections | See Section: 8 (Exposure controls / PPE) & 13 (Disposal) |

7. SECTION 7: HANDLING AND STORAGE

- | | |
|---|--|
| 7.1 Precautions for safe handling | Avoid contact with skin and eyes. Avoid breathing dust. Use only in well-ventilated areas. |
| 7.2 Conditions for safe storage, including any incompatibilities
Storage Temperature
Storage Life
Incompatible materials
Other information | Keep only in the original container in a cool, well-ventilated place. Keep containers properly sealed when not in use.
Maximum : 30 degC.
One year.
Strong oxidising agents. Strong acids
This product should be kept away from naked flames and other sources of ignition. Keep away from food, drink and animal feedingstuffs. |

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

- 8.1.1 Occupational Exposure Limits**
LTEL (8 hr TWA mg/m³)
LTEL (8 hr TWA mg/m³)

WEL: Workplace Exposure Limit (UK HSE EH40)
Not listed
Not listed

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction if dust is likely to be evolved.

8.2.2 Personal protection equipment

Eye/face protection

Safety spectacles/goggles. Minimum standard EN166.



Skin protection (Hand protection/ Other)



Nitrile or butyl gloves. Minimum standard EN374-3.
Apron or other light protective clothing.

Respiratory protection



Provide adequate ventilation, including appropriate local extraction. Personal respiratory equipment is not normally required. If ventilation is inadequate and dust/mists cannot be avoided, wear Full-/Half-/quarter-face masks (EN 136/140/141) with Type A filter

Other

General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and after work. Wash contaminated clothing before reuse.

8.2.3 Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties (Solution)

Appearance	Pastilles
Colour	White.
Odour	None
Odour Threshold (ppm)	Not applicable
pH (Value)	Not applicable
Melting Point (°C) / Freezing Point (°C)	47-51 degC
Boiling point/boiling range (°C):	344 degC
Flash Point (°C) [Closed cup]	> 157 degC
Evaporation rate (Butyl acetate = 1)	<< 1
Explosive limit ranges	Not applicable.
Vapour Pressure (mmHg)	< 1 mmHg at 20 degC
Vapour Density (Air=1)	Not applicable.
Density (g/ml)	0.81-0.83 at 20 degC
Solubility (Water)	Insoluble
Solubility (Other)	Soluble in: Most organic solvents
Partition Coefficient (n-Octanol/water)	Log Kow = 6.73 (estimate)
Auto Ignition Temperature (°C)	272 degC
Decomposition Temperature (°C)	> 200 degC
Viscosity (mPa.s)	Not applicable
Explosive properties	Not explosive.
Oxidising properties	Not oxidising

9.2 Other information

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Reacts with Strong oxidising agents and acids
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None known
10.4 Conditions to avoid	High temperatures
10.5 Incompatible materials	Strong oxidising agents. Strong acids
10.6 Hazardous Decomposition Product(s)	None known

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Substances

Acute toxicity	
Ingestion	LD50 > 5 000 mg/kg (rat)
Inhalation (4 hrs)	Not available
Skin Contact	LD50 :> 3 200 mg/kg (mouse)
Skin corrosion/irritation	Slightly irritant.
Serious eye damage/irritation	Slightly irritant.
Respiratory or skin sensitization	It is not predicted to be a skin sensitiser.
Mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	No evidence of reproductive toxicity.
STOT-single exposure	Inhalation : Irritation of the respiratory tract. Coughing. Ingestion : Inflammation of digestive tract
STOT-repeated exposure (91 days)	No data

11.2 Other information

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	
(Fish) (96hrs)	LC50 > 100 mg/l
(Daphnia magna) (48hrs)	NOEC>0,4 mg/L
(Algae) (72hrs)	EC50 > 0.01 mg/l (limit of solubility)
12.2 Persistence and degradability	EC50>0.01 mg/l (limit of solubility)
12.3 Bioaccumulative potential (96 hrs)	Readily biodegradable.
12.4 Mobility in soil	The product has moderate potential for bioaccumulation.
12.5 Results of PBT and vPvB assessment	This product is predicted to degrade in soil.
12.6 Other adverse effects	Not classified as PBT or vPvB.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Material to be disposed of as hazardous waste. Normal disposal is via incineration operated by an accredited disposal contractor. Consult an accredited waste disposal contractor or the local authority for advice.
13.2 Additional Information	

14. SECTION 14: TRANSPORT INFORMATION

14.1 Land transport (ADR/RID)	
UN number	Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.
14.2 Sea transport (IMDG)	
UN number	Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.
14.3 Air transport (ICAO/IATA)	
UN number	Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1 EU regulations	
Authorisations and/or restrictions on use	None anticipated
15.1.2 National regulations	None assigned
15.2 Chemical Safety Assessment	No Chemical Safety Assessment (CSA) has been carried out

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Sections #1 - #16.

References:

European Chemicals Agency
European Chemicals Bureau
European Regulations and Directives
Published chemical directories
Suppliers' safety data sheets
UK Health and Safety Executive
US Environmental Protection Agency

Risk Phrases

None required

Hazard statement(s)

None required

Precautionary statement(s)

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

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

P312: Call a POISON CENTRE or doctor if you feel unwell.

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

P362: Take off contaminated clothing and wash before reuse.

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

Additional Information

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. **The Soap Kitchen** gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. **The Soap Kitchen** accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.