

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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### KEMET CLEANING FLUID TYPE CO42

Revision 21

Revision date 2016-07-05

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

##### 1.1. Product identifier

**Product name** KEMET CLEANING FLUID TYPE CO42

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

**Product Use** [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU0] Other; [PC0] Other;

##### 1.3. Details of the supplier of the safety data sheet

**Company** Kemet International Ltd  
**Address** Parkwood Trading Estate  
 Maidstone  
 Kent  
 ME15 9NJ  
**Web** www.kemet.co.uk  
**Telephone** +44 (0)1622 755287  
**Fax** +44 (0)1622 670915  
**Email** sales@kemet.co.uk  
**Email address of the competent person** nroper@kemet.co.uk

##### 1.4. Emergency telephone number

**Emergency telephone number** +44 (0) 1622 755287  
**Company** N Roper  
 9.00-5.00

#### SECTION 2: Hazards identification


##### 2.1. Classification of the substance or mixture

**2.1.1. Classification - 1999/45/EC** Xn; R65 Xi; R43 R10-66-67  
 Symbols: Xn: Harmful.

**Main hazards** Flammable. May cause sensitisation by skin contact. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

**2.1.2. Classification - EC 1272/2008** Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Sens. 1: H317; STOT SE 3: H336; Aquatic Chronic 2: H411;

##### 2.2. Label elements

**Hazard pictograms** 

**Signal Word** Danger

**Hazard Statement** Flam. Liq. 3: H226 - Flammable liquid and vapour.

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## 2.2. Label elements

<b>Precautionary Statement: Prevention</b>	Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Skin Sens. 1: H317 - May cause an allergic skin reaction. STOT SE 3: H336 - May cause drowsiness or dizziness. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed. P243 - Take precautionary measures against static discharge. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment.

## 2.3. Other hazards

<b>Other hazards</b>	In use, may form flammable/explosive vapour-air mixture.
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## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## 67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
HYDROCARBONS, C9-C11, n-alkanes, cyclics, <2% aromatics		64742-48-9	919-857-5		70 - 80%	Xn; R65 R10-66-67	
1-Methoxy-2-propanol (1-Methoxypropan-2-ol)	603-064-00-3	107-98-2	203-539-1		20 - 30%	R10 R67	
D-Limonene	601-029-00-7	5989-27-5	227-813-5		1 - 10%	R10 Xi; R38 R43 N; R50/53	

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
HYDROCARBONS, C9-C11, n-alkanes, cyclics, <2% aromatics		64742-48-9	919-857-5		70 - 80%	EUH006; Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336;	
1-Methoxy-2-propanol (1-Methoxypropan-2-ol)	603-064-00-3	107-98-2	203-539-1		20 - 30%	Flam. Liq. 3: H226; STOT SE 3: H336;	
D-Limonene	601-029-00-7	5989-27-5	227-813-5		1 - 10%	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air. Seek medical attention.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
<b>Skin contact</b>	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water. Seek medical attention.

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

<b>Inhalation</b>	Headache, nausea and vomiting. In severe cases, may cause loss of consciousness. Vapours may cause drowsiness and dizziness. Inhalation is irritating to the respiratory tract and may cause damage to the central nervous system. Upper respiratory irritation, irritation of nose, throat and airway. Nausea, vomiting. Unconsciousness and convulsions can occur.
<b>Eye contact</b>	May cause irritation to eyes.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dryness. Repeated exposure may cause skin dryness or cracking.
<b>Ingestion</b>	Harmful if swallowed. Harmful if swallowed. The product may enter the lungs due to its low viscosity and lead to the rapid development of very serious inhalation of pulmonary lesions (medical survey during 48hrs) May cause discomfort if swallowed. Nausea, vomiting. Central

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

nervous system depression.

## 4.3. Indication of any immediate medical attention and special treatment needed

If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person. Remove the affected person from the source of contamination immediately.

## General information

If you feel unwell, seek medical advice (show the label where possible). Keep the affected person warm and at rest. Remove contaminated clothing. Wash all contaminated clothing before reuse.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions. Use as appropriate: Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam. Do NOT use water jet.

## 5.2. Special hazards arising from the substance or mixture

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## 5.3. Advice for firefighters

Wear: Self-contained breathing apparatus. Protective equipment.

## Further information

Do not allow runoff water to enter sewers or drains. Use water spray to keep containers cool.

## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Keep personnel away from spill. Evacuate personnel to a safe area. Eliminate all sources of ignition.

## 6.2. Environmental precautions

Do not allow product to enter drains. Advise local authorities if large spills cannot be contained.

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

Clean spillage area thoroughly with plenty of water. Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal.

## 6.4. Reference to other sections

See section 2, 3, 8, 9 & 13 for further information.

## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Wear suitable protective equipment. Do not breathe gas/fumes/vapour/spray. Use in a well ventilated area. Do not spray on naked flame or any other incandescent material. Exhaust ventilation necessary if product is sprayed.

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

Keep in a cool, dry, well ventilated area. Keep containers tightly closed.

## Suitable packaging

Plastic containers. Steel, HDPE, Glass.

## 7.3. Specific end use(s)

Cleaning. For industrial/research use only. See separate instruction sheet for correct method of use.

## Suitable packaging

Plastic containers. PET. Stainless steel containers.

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**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.1.1. Exposure Limit Values**

1-Methoxy-2-propanol (1-Methoxypropan-2-ol)	WEL 8-hr limit ppm: 100	WEL 8-hr limit mg/m3: 375
	WEL 15 min limit ppm: 150	WEL 15 min limit mg/m3: 560
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:
HYDROCARBONS, C9-C11, n-alkanes, cyclics, <2% aromatics	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3: 1200 Advisory Limit
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3:
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

**8.2. Exposure controls**

	
<b>8.2.1. Appropriate engineering controls</b>	Ensure adequate ventilation of the working area. Provide appropriate ventilation including local exhaust ventilation to ensure OES or MEL values are not exceeded.
<b>8.2.2. Individual protection measures</b>	Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.
<b>Eye / face protection</b>	Approved safety goggles. Avoid contact with eyes. Safety glasses.
<b>Skin protection - Handprotection</b>	Chemical resistant gloves (PVC). Nitrile rubber gloves.
<b>Skin protection - Other</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment. Suitable half mask respirator with filter P2 (EN 143).
<b>8.2.3. Environmental exposure controls</b>	Do not allow product to enter drains.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

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## 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Odour	Pleasant
pH	Not applicable.
Melting point	Not applicable.
Initial boiling point	118
Flash point	31
Flammability (solid, gas)	Flammable
Upper Explosive Limit	7 %
Lower Explosive Limit	0.6 %
Vapour pressure	No data available
Vapour density	No data available
Relative density	0.808
Partition coefficient	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	0.6-7.0 (Vol%)

## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Softening point	Not applicable.
Pour point	Not applicable.
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	≈ 800 g/l

## Water solubility

	Insoluble.
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## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	FLAMMABLE LIQUID AND VAPOR.
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## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	None expected under normal conditions of use.
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## 10.4. Conditions to avoid

	Heat, sparks and open flames. Take precautionary measures against static discharge.
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## 10.5. Incompatible materials

	Strong acids. Strong oxidising agents.
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## 10.6. Hazardous decomposition products

	None.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

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## 11.1. Information on toxicological effects

Acute toxicity	No data is available on this product.
	Harmful if swallowed. Inhalation may cause nausea and vomiting. May cause dizziness and headache.
	May cause irritation to skin. May cause irritation to eyes.
	May cause sensitisation by inhalation and skin contact.
Skin corrosion/irritation	
Respiratory or skin sensitisation	
Repeated or prolonged exposure	Prolonged or repeated exposure may cause irritation to skin and mucous membranes.

## SECTION 12: Ecological information

## 12.1. Toxicity

HYDROCARBONS, C9-C11, n-alkanes, cyclics, <2% aromatics	Daphnia EC50/48h: 1000.0000 mg/l	Rainbow trout LC50/96h: >1000 mg/kg
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	No data is available on this product. Toxic to fish.
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## 12.2. Persistence and degradability

	This product is expected to be readily biodegradable.
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## 12.3. Bioaccumulative potential

	No data is available on this product.
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## Partition coefficient

	KEMET CLEANING FLUID TYPE CO42 No data available
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## 12.4. Mobility in soil

	No data is available on this product.
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## 12.5. Results of PBT and vPvB assessment

	PBT/vPvB assessment is not available as a chemical safety assessment is either not required or has not been conducted.
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## Further information

	Evaporates readily.
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## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

	Allocation of the correct EWC Number should be done in accordance with the European Waste Catalogue and should be carried out in agreement with an EA authorised waste disposal company. Dispose of this material and its container to hazardous or special waste collection point.
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## General information

	Can be incinerated if in compliance with local and national regulations. Dispose of as special waste in compliance with local and national regulations.
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## Disposal of packaging

	Containers must be recycled in compliance with national legislation and environmental regulations. Do not pierce or burn, even after use.
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## Further information

	Waste from residues/unused products: do not discharge effluent containing this product into waterways or sewerage systems without proper authorisation.
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## SECTION 14: Transport information

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## Hazard pictograms

	
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## 14.1. UN number

	UN1993
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## 14.2. UN proper shipping name

	FLAMMABLE LIQUID, N.O.S.
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## 14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

## 14.4. Packing group

Packing group	III
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## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## ADR/RID

Hazard ID	30
Tunnel Category	(D/E)

## IMDG

EmS Code	F-E S-E
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## IATA

Packing Instruction (Cargo)	366
Maximum quantity	220 L
Packing Instruction (Passenger)	355
Maximum quantity	60 L

## SECTION 15: Regulatory information

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	Regulation (EC) No 1907/2006 REACH, Regulation (EC) No 1272/2008 CLP. The Health and Safety at Work Act 1974. Workplace Exposure Limits EH40.
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## 15.2. Chemical safety assessment

	A chemical safety assessment has not been conducted.
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## SECTION 16: Other information

## Other information

Revision	This document differs from the previous version in the following areas: 2 - Hazard pictograms.
Text of risk phrases in Section 3	R10 - Flammable R38 - Irritating to skin.

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## Other information

<b>Text of Hazard Statements in Section 3</b>	<p>R43 - May cause sensitisation by skin contact.  R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  R65 - Harmful: may cause lung damage if swallowed.  R66 - Repeated exposure may cause skin dryness or cracking.  R67 - Vapours may cause drowsiness and dizziness.</p> <hr/> <p>EUH006 - Explosive with or without contact with air.  Flam. Liq. 3: H226 - Flammable liquid and vapour.  Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.  STOT SE 3: H336 - May cause drowsiness or dizziness.  Skin Irrit. 2: H315 - Causes skin irritation.  Skin Sens. 1: H317 - May cause an allergic skin reaction.  Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p>
<b>Maximum content of VOC</b>	800 g/l.

## Further information

	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.</p>
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