



**Kemetyl**

# Safety data sheet

According to Regulation (EU) No 2015/830

## SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product name : SHELL WINDOW CLEANER  
Product code : CRX493, 09727015, 09720014, 09727017, 09727018, 50002

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

Application : SU21 Consumer product. PC35 Cleaning agent. PC0 Other. Car maintenance.

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

Supplier : Kemetyl Accessoires (UK) Ltd  
Office 410 Index House  
SL5 7ET Ascot, Great Britain  
Telephone : +44-1344 371481  
Fax : +44-20-8614 6576  
E-mail : msds@kemetyl.com  
Website : <http://www.kemetyl.com>

### 1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:

GB - Telephone : +44-1344 371481 (During office hours only)

EMERGENCY TELEPHONE NUMBER (for DOCTORS only):

National Poisons Information Service +44 344 892 0111 (24/7)

## SECTION 2 HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

CLP classification : Flammable liquid, category 3. Eye irritation, category 2.  
(1272/2008/EC)

Human health hazards : Causes serious eye irritation.

Physical/chemical hazards : Flammable.

Environmental hazards : Not classified as dangerous according to statutory EC-Directives.

Other information : Do not breathe spray. Use only in well-ventilated areas.

### 2.2. Label elements

Label elements (1272/2008/EC):

Hazard pictograms :



Signal word : Warning

H- and P-phrases : H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.



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|                       |  |
|-----------------------|--|
| P210                  | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.                                   |
| P337+P313             | If eye irritation persists: Get medical advice/attention.  |
| P305 + P351<br>+ P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P501                  | Dispose of contents/container to an official chemical waste depot.   |

Labelling of packagings where the contents do not exceed 125 ml and it is technically impossible to list all phrases:

Hazard pictograms :



Signal word : Warning

H- and P-phrases : P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

Ingredient declaration according to Regulation 648/2004:

| Contains:           | Concentration (%) |
|---------------------|-------------------|
| Anionic surfactants | < 5               |
| Perfumes            |                   |

### 2.3. Other hazards

Other information : Does not contain PBT or vPvB substances.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### 3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

| Substance name | Concentration (w/w) (%)               | CAS nr.          | EC number    | Remark | REACH nr.        |
|----------------|---------------------------------------|------------------|--------------|--------|------------------|
| Propan-2-ol    | 10 - < 20                             | 67-63-0          | 200-661-7    |        | 01-2119457558-25 |
| Substance name | Hazard Class                          | H-phrases        | Pictograms   |        |                  |
| Propan-2-ol    | Flam. Liq. 2; Eye Irrit. 2; STOT SE 3 | H225; H319; H336 | GHS02; GHS07 |        |                  |

Occupational exposure limit(s), if relevant, are listed in section 8.

Reference is made to chapter 16 for full text of each relevant H phrase.

## SECTION 4 FIRST-AID MEASURES

### 4.1. Description of first aid measures

First aid measures

- Inhalation : Move victim into fresh air. Consult a doctor if victim feels unwell.
- Skin contact : Take off contaminated clothing. Wash off skin with plenty of water before product dries up.
- Eye contact : Wash out with (lukewarm) water. Remove contact lenses. Consult a doctor.



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Ingestion : Do not induce vomiting. Do rinse the mouth. Give one glass of water. Give condensed milk or a knob of butter. Never give anything by mouth to an unconscious person. Consult a doctor if victim feels unwell.

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

### Effects and symptoms

Inhalation : May cause headache, dizziness and a feeling of sickness. May cause irritation to respiratory airways and coughing.  
Skin contact : May cause dry skin.  
Eye contact : Irritant. May cause redness and pain.  
Ingestion : May cause a feeling of sickness, vomiting and diarrhoea.

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

Note to physicians : None known.

## SECTION 5 FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing media

Suitable : Carbondioxide (CO2). Alcohol resistant foam. Dry chemical. Water fog.  
Not suitable : Water jet.

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

Special exposure hazards : None known.  
Hazardous thermal decomposition products : Carbon monoxide may be evolved if incomplete combustion occurs.

### 5.3. Advice for firefighters

Special protective equipment for fire-fighters : Use adequate respiratory equipment in case of insufficient ventilation.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

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

Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material. Keep away from sources of ignition — No smoking. Vapours are heavier than air. Build up (of gasses) in low areas involves risk of suffocation.

### 6.2. Environmental precautions

Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. In case of large spills: contain with dike.  
Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

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

Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water.

### 6.4. Reference to other sections



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Reference to other sections : See also section 8.

## SECTION 7 HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Do not breathe spray. Do not breathe vapour. Avoid contact with skin and eyes.

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

Storage : Keep frost-free, in a cool, dry and well-ventilated place (< 35 °C). Keep away from oxidizing agents. Protect from sunlight.  
Recommended packaging : Keep only in the original container.  
Non recommended packaging : Steel (except stainless steel).

### 7.3. Specific end use(s)

Use : Use only as directed. Do not mix with other products.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Occupational exposure limits : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

Workplace exposure limits (mg/m<sup>3</sup>):

| Chemical name | Country | TWA 8 hour (mg/m <sup>3</sup> ) | STEL 15 min (mg/m <sup>3</sup> ) | Comments | Source |
|---------------|---------|---------------------------------|----------------------------------|----------|--------|
| Propan-2-ol   | GB      | 999                             | 1250                             | -        |        |

Derived no-effect level (DNEL) for workers:

| Chemical name | Route of exposure    | DNEL, short-term |                 | DNEL, long-term |   |
|---------------|----------------------|------------------|-----------------|-----------------|---|
|               |                      | Local effect     | Systemic effect | Local effect    | Systemic effect                           |
| Propan-2-ol   | Dermal<br>Inhalation |                  |                 |                 | 888 mg/kg bw/day<br>500 mg/m <sup>3</sup> |

Derived no-effect level (DNEL) for consumers:

| Chemical name | Route of exposure            | DNEL, short-term |                 | DNEL, long-term |   |
|---------------|------------------------------|------------------|-----------------|-----------------|---|
|               |                              | Local effect     | Systemic effect | Local effect    | Systemic effect   |
| Propan-2-ol   | Dermal<br>Inhalation<br>Oral |                  |                 |                 | 319 mg/kg bw/day<br>89 mg/m <sup>3</sup><br>26 mg/kg bw/day |

Predicted no-effect concentration (PNEC):

| Chemical name | Route of exposure | Fresh water | Marine water |  |
|---------------|-------------------|-------------|--------------|--|
| Propan-2-ol   | Water             | 140,9 mg/l  | 140,9 mg/l   |  |



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|  |                    |           |           |                |
|--|--------------------|-----------|-----------|----------------|
|  | Sediment           | 552 mg/kg | 552 mg/kg |                |
|  | Intermittent water |           |           | 140,9 mg/l     |
|  | STP                |           |           | 2251 mg/l      |
|  | Soil               |           |           | 28 mg/kg       |
|  | Oral               |           |           | 160 mg/kg food |

## 8.2. Exposure controls

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.

Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.

Body protection : Use of specific protective industrial clothing is not required under normal conditions of use.

Respiratory protection : Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale exposure. Suitable: gas filter type A (brown), class I or higher on e.g. a facemask in accordance with EN 140.

Hand protection : Under normal conditions of use specific gloves are not required.

Eye protection : Wear appropriate safety glasses with side shields, in accordance with EN 166, when there is danger of possible eye contact.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

|   |                          |  |
|---|--------------------------|--|
| Appearance                              | : Liquid.                |  |
| Colour                                  | : Blue.                  |  |
| Odour                                   | : Perfumed.              |  |
| Odour threshold                         | : Not known.             |  |
| pH                                      | : 7,5                    |  |
| Solubility in water                     | : Soluble.               |  |
| Partition coefficient (n-octanol/water) | : Not applicable.        | Contains surfactants. The O/W system emulsifies.                   |
| Flash point                             | : 33 °C                  | Closed Cup (ISO 2719, EN 11, DIN 51758, ASTM D 93)                 |
| Flammability (solid, gas)               | : Not applicable.        | Liquid. See flashpoint.  |
| Auto ignition temperature               | : > 245 °C               |  |
| Boiling point/boiling range             | : 82 °C                  |  |
| Melting point/melting range             | : -5 °C                  |  |
| Explosive properties                    | : None known.            | Does not contain explosives.                                       |
| Explosion limits (% in air)             | : Not known.             | Lower explosion limit in air (%): 2 ( Propan-2-ol )                |
|   | :                        | Upper explosion limit in air (%): 12                               |
| Oxidising properties                    | : Not applicable.        | Does not contain oxidizing substances.                             |
| Decomposition temperature               | : Not applicable.        |  |
| Viscosity (20°C)                        | : 1 mm <sup>2</sup> /sec | (1 mm <sup>2</sup> /sec = 1cSt)                                    |
| Viscosity (40°C)                        | : Not relevant.          | The product contains < 10% substances having an aspiration hazard. |
| Vapour pressure (20°C)                  | : > 2300 Pa              |  |
| Vapour density (20°C)                   | : > 1                    | (air = 1)  |
| Relative density (20°C)                 | : 0,98 g/ml              |  |
| Evaporation rate                        | : < 1                    | (n-butyl acetate = 1)  |

## SECTION 10 STABILITY AND REACTIVITY



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## 10.1. Reactivity

Reactivity : See sub-sections below.

## 10.2. Chemical stability

Stability : Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

Reactivity : No other hazardous reactions known.

## 10.4. Conditions to avoid

Conditions to avoid : See section 7.

## 10.5. Incompatible materials

Materials to avoid : Keep away from oxidizing agents.

## 10.6. Hazardous decomposition products

Hazardous decomposition products : Not known.

## SECTION 11 TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

No toxicological research has been carried out on this product.

#### Inhalation

- Acute toxicity : Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: < 1 %. ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met. May cause headache, dizziness and a feeling of sickness.
- Corrosion/irritation : May cause irritation to respiratory airways and coughing. Not classified - based on available data, the classification criteria are not met.
- Sensitisation : Does not contain substances classified as respiratory sensitiser. Not classified - based on available data, the classification criteria are not met.
- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

#### Skin contact

- Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : Prolonged contact may dry out and defat the skin. Not classified - based on available data, the classification criteria are not met.
- Sensitisation : Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

#### Eye contact

- Corrosion/irritation : Irritant.

#### Ingestion

- Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.



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- Aspiration : Not expected to be an aspiration hazard. Contains a substance/substances with an aspiration hazard. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : May cause a feeling of sickness, vomiting and diarrhoea.
- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
- Reprotoxicity : Development: Not expected to be reprotoxic. Development: Not classified - Based on available data, the classification criteria are not met. Fertility: not expected to be reprotoxic. Fertility: Not classified - based on available data, the classification criteria are not met.

## Toxicological information:

| Chemical name           | Property                     |                   | Method   | Test animal |
|-------------------------|------------------------------|-------------------|----------|-------------|
| Propan-2-ol             | LD50 (oral)                  | 4396 mg/kg bw     | -----    | Rat         |
|                         | LD50 (dermal)                | 12800 mg/kg bw    | -----    | Rat         |
|                         | LC50 (inhalation)            | 46600 mg/m3       | -----    | Rat         |
|                         | Skin irritation              | Slightly irritant | OECD 404 | Rabbit      |
|                         | Eye irritation               | Irritant          | OECD 405 | Rabbit      |
|                         | NOAEL (fertility, oral)      | 407 mg/kg bw/d    |          | Rat         |
|                         | NOAEL (development, oral)    | 400 mg/kg bw/d    |          | Rat         |
|                         | NOEL (carcinogenicity, oral) | Not carcinogenic  | OECD 416 | Rat         |
|                         | Skin sensitisation           | Not sensitizing   | OECD 406 | Guinea pig  |
|                         | Mutagenicity                 | Negative          | OECD 471 |             |
|                         | NOAEL (inhalation)           | 12500 mg/m3       | OECD 451 | Rat         |
|                         | Genotoxicity - in vivo       | Not genotoxic     | OECD 474 | Mouse       |
|                         | NOEL (carcinogenicity, inh.) | 12500 mg/m3       |          | Mouse       |
| Genotoxicity - in vitro | Not genotoxic                | OECD 476          |          |             |
| NOAEL (oral)            | 870 mg/kg bw/d               | -----             | Rat      |             |

## SECTION 12 ECOLOGICAL INFORMATION

### 12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Calculated LC50 (fish): 32509 mg/l. Calculated EC50 (waterflea): 51266 mg/l. Contains 0 % of components with unknown hazards to the aquatic environment. Not classified - based on available data, the classification criteria are not met.

### 12.2. Persistence and degradability

Persistence – degradability : No specific information known. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents.

### 12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

### 12.4. Mobility in soil

Mobility : If product enters soil, it will be highly mobile and may contaminate groundwater.

### 12.5. Results of PBT and vPvB ass

PBT/vPvB assessment : Does not contain PBT or vPvB substances.



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## 12.6. Other adverse effects

Other information : Not applicable.

## SECTION 13 DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.

Additional warning : Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums.

Waste water discharge : Do not dispose into the environment, in drains or in water courses.

European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.

Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

## SECTION 14 TRANSPORT INFORMATION

### 14.1. UN number

UN nr. : UN 1987

### 14.2. UN proper shipping name

Transport name : ALCOHOLS, N.O.S. ( Propan-2-ol )

Transport name (IMDG, IATA) : ALCOHOLS, N.O.S. ( Propan-2-ol )

### 14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID/ADN (road/railway/inland waterways)

Class : 3

Classification code : F1

Packaging group : III

Danger label : 3

Tunnel restriction code : D/E



Other information : Not intended for carriage by tank-vessels on inland waterways.

IMDG (sea)

Class : 3

Packaging group : III

EmS (fire / spill) : F - E / S - D

Marine pollutant : No

IATA (air)

Class : 3





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## 14.6. Special precautions for user

Other information : Country specific variations may apply. It is possible that a "Limited Quantity" exemption applies to the transport of this product.

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

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments. Packaged liquids are not considered bulk.

## SECTION 15 REGULATORY INFORMATION

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

Community regulations : Regulation (EU) No 2015/830 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations.

### 15.2. Chemical safety assessment

Chemical safety assessment : Not applicable.

## SECTION 16 OTHER INFORMATION

### 16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EU) No 2015/830 dated 28 May 2015 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (\*).

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

|           |   |
|-----------|---|
| ADR       | : European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE       | : Acute Toxicity Estimate   |
| CLP       | : Classification, Labeling & Packaging  |
| CMR       | : Carcinogenic, Mutagenic or toxic for Reproduction                                   |
| EEC       | : European Economic Community   |
| GHS       | : Globally Harmonized System of Classification and Labelling of Chemicals             |
| IATA      | : International Air Transport Association   |
| IBC code  | : International Bulk Chemical Code  |
| IMDG      | : International Maritime Dangerous Goods Code   |
| LD50/LC50 | : Lethal Dose/Concentration for 50% of a population                                   |
| MAC       | : Maximum Allowable Concentration   |
| MARPOL    | : International Convention for the Prevention of Pollution From Ships                 |
| NO(A)EL   | : No Observed (Adverse) Effect Level  |
| OECD      | : Organisation for Economic Co-operation and Development                              |
| PBT       | : Persistent, Bioaccumulative and Toxic   |
| PC        | : Chemical product category   |
| PT        | : Product type  |
| REACH     | : Registration, Evaluation, Authorisation and Restriction of Chemicals                |
| RID       | : Regulations concerning the International Carriage of Dangerous Goods by Rail        |



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STP : Sewage Treatment Plant  
SU : Sector of Use  
TWA/STEL : Time-Weighted Average/Short Term Exposure Limit  
UN : United Nations  
VOC : Volatile Organic Compounds  
vPvB : Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008:

Flam. Liq. 3 : On basis of test data.  
Eye Irrit. 2 : Calculation method.

Full text of hazard classes mentioned in section 3:

Flam. Liq. 2 : Flammable liquid, category 2.  
Eye Irrit. 2 : Eye irritation, category 2.  
STOT SE 3 : Specific target organ toxicity after single exposure, category 3.

Full text of H-phrases mentioned in section 3:

H225 : Highly flammable liquid and vapour.  
H319 : Causes serious eye irritation.  
H336 : May cause drowsiness or dizziness.

Number format : "," used as decimal separator.

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End of safety data sheet.

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