

# SAFETY DATA SHEET

(SYSTEM) CATACLEAN

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Compilation date: 15/09/2016

Revision date: 14.05.19

Revision No: 6

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

### 1.1. Product identifier

**Product name:** (SYSTEM) CATACLEAN

**Product code:** HC1515

**Synonyms:** HC1515

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

**Use of substance / mixture:** PC35: Washing and cleaning products (including solvent based products).

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

**Company name:** CATACLEAN GLOBAL LIMITED

Unit 34, Wellington Employment Park

30 - 48 Dunes Way

Liverpool

Merseyside

L5 9RJ

United Kingdom

**Tel:** +44(0)151 236 2324

**Fax:** +44(0)151 236 5271

**Email:** [cataclean@me.com](mailto:cataclean@me.com)

### 1.4. Emergency telephone number

**Emergency tel:** +44(0)151 236 2324

(office hours only)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 2: H225; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 3: H412; STOT RE 2: H373; -: EUH066

**Most important adverse effects:** Repeated exposure may cause skin dryness or cracking. Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness.

### 2.2. Label elements

**Label elements:**

**Hazard statements:** EUH066: Repeated exposure may cause skin dryness or cracking.

H225: Highly flammable liquid and vapour.

[cont...]

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H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

**Hazard pictograms:** GHS02: Flame

GHS07: Exclamation mark

GHS08: Health hazard



**Signal words:** Danger

**Precautionary statements:** P102: Keep out of reach of children.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260: Do not breathe vapours.

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

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314: Get medical advice/attention if you feel unwell.

**Haz. ingredients (label):** Contains:

XYLENE (MIXED ISOMERS)

PROPAN-2-OL

ACETONE

ALIPHATIC HYDROCARBON SOLVENT BLEND

## 2.3. Other hazards

**Other hazards:** In use, may form flammable / explosive dust-air mixture.

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

**Hazardous ingredients:**

[cont...]

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XYLENE (MIXED ISOMERS) - REACH registered number(s): 01-2119-9488-216-32-XXXX

| EINECS    | CAS       | PBT / WEL | CLP Classification   | Percent |
|-----------|-----------|-----------|--|---------|
| 215-535-7 | 1330-20-7 | -         | Flam. Liq. 3: H226; Acute Tox. 4: H312+H332; STOT RE 2: H373; STOT SE 3: H335; Asp. Tox. 1: H304; Aquatic Chronic 3: H412; Skin Irrit. 2: H315; Eye Irrit. 2: H319 | 30-50%  |

PROPAN-2-OL - REACH registered number(s): 01-2119457558-25

|           |         |   |   |        |
|-----------|---------|---|---|--------|
| 200-661-7 | 67-63-0 | - | Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336 | 10-30% |
|-----------|---------|---|---|--------|

ACETONE

|           |         |   |  |        |
|-----------|---------|---|--|--------|
| 200-662-2 | 67-64-1 | - | Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066 | 10-30% |
|-----------|---------|---|--|--------|

HYDROCARBONS, C11-C13, ISOALKANES, LOW AROMATICS - REACH registered number(s): 01-2119456620-43-XXXX

|           |   |   |                              |       |
|-----------|---|---|------------------------------|-------|
| 926-141-6 | - | - | Asp. Tox. 1: H304; -: EUH066 | 1-10% |
|-----------|---|---|------------------------------|-------|

TOLUENE

|           |          |   |  |     |
|-----------|----------|---|--|-----|
| 203-625-9 | 108-88-3 | - | Flam. Liq. 2: H225; Repr. 2: H361d; Asp. Tox. 1: H304; STOT RE 2: H373; Skin Irrit. 2: H315; STOT SE 3: H336 | <1% |
|-----------|----------|---|--|-----|

## Section 4: First aid measures

### 4.1. Description of first aid measures

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Move to fresh air in case of accidental inhalation of vapours. If conscious, ensure the casualty sits or lies down. Transfer to hospital as soon as possible.

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

- Skin contact:** There may be redness or whiteness of the skin in the area of exposure. Irritation or pain may occur at the site of contact.
- Eye contact:** There may be severe pain. The eyes may water profusely.
- Ingestion:** There may be soreness and redness of the mouth and throat. There may be vomiting. Convulsions may occur. There may be loss of consciousness.
- Inhalation:** There may be shortness of breath with a burning sensation in the throat. Absorption

[cont...]

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through the lungs can occur causing symptoms similar to those of ingestion.

Convulsions may occur. There may be loss of consciousness.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder.

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

**Exposure hazards:** Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Notify the police and fire brigade immediately. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding. Alert the neighbourhood to the presence of fumes or gas.

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

**Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Do not use equipment in clean-up procedure which may produce sparks. Leaking material will evaporate leaving no residues.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Avoid the formation or spread of mists in the air. Ensure there is sufficient ventilation of the area. Smoking is forbidden. Use non-sparking tools. Do not handle in a confined space.

[cont...]

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

## 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

#### XYLENE (MIXED ISOMERS)

**Workplace exposure limits:**

**Respirable dust:**

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|------------|--------------|------------|--------------|
| EU    | 50ppm      | 100ppm       | -          | -            |

#### PROPAN-2-OL

|    |         |         |   |   |
|----|---------|---------|---|---|
| UK | 400 ppm | 500 ppm | - | - |
|----|---------|---------|---|---|

#### ACETONE

|    |                        |                        |   |   |
|----|------------------------|------------------------|---|---|
| UK | 1210 mg/m <sup>3</sup> | 3620 mg/m <sup>3</sup> | - | - |
|----|------------------------|------------------------|---|---|

#### HYDROCARBONS, C11-C13, ISOALKANES, LOW AROMATICS

|    |                         |   |   |   |
|----|-------------------------|---|---|---|
| UK | 1200 mg/cm <sup>3</sup> | - | - | - |
|----|-------------------------|---|---|---|

#### TOLUENE

|    |                       |                       |   |   |
|----|-----------------------|-----------------------|---|---|
| UK | 191 mg/m <sup>3</sup> | 384 mg/m <sup>3</sup> | - | - |
|----|-----------------------|-----------------------|---|---|

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Impermeable gloves.

**Eye protection:** Safety glasses with side-shields. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

## Section 9: Physical and chemical properties

[cont...]

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## 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Colourless

**Odour:** Solvents,mixed.

**Viscosity:** Non-viscous

**Boiling point/range°C:** 56 - 280

**Flammability limits %: lower:** 0.5

**Flash point°C:** 10

**Autoflammability°C:** >200

**Relative density:** 0.825

**VOC g/l:** 825

**Melting point/range°C:** No data available.

**upper:** 14.3

**Part.coeff. n-octanol/water:** No data available.

**Vapour pressure:** No data available.

**pH:** Not applicable.

## 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions. Stable at room temperature.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat. Hot surfaces. Flames. Sources of ignition.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

[cont...]

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## Hazardous ingredients:

### XYLENE (MIXED ISOMERS)

|         |     |         |       |       |
|---------|-----|---------|-------|-------|
| DERMAL  | RBT | LD50    | >5000 | mg/kg |
| ORAL    | RAT | LD50    | >5000 | mg/kg |
| VAPOURS | RAT | 4H LC50 | >5000 | ppmV  |

### PROPAN-2-OL

|         |     |         |       |       |
|---------|-----|---------|-------|-------|
| ORAL    | RAT | LD50    | 4700  | mg/kg |
| ORAL    | RBT | LD50    | >2000 | mg/kg |
| VAPOURS | RAT | 4H LC50 | 46.5  | mg/l  |

### ACETONE

|     |     |      |      |       |
|-----|-----|------|------|-------|
| IVN | RAT | LD50 | 5500 | mg/kg |
| ORL | MUS | LD50 | 3000 | mg/kg |
| ORL | RAT | LD50 | 5800 | mg/kg |

### HYDROCARBONS, C11-C13, ISOALKANES, LOW AROMATICS

|         |     |         |       |       |
|---------|-----|---------|-------|-------|
| DERMAL  | RBT | LD50    | >5000 | mg/kg |
| ORAL    | RAT | LD50    | >5000 | mg/kg |
| VAPOURS | RAT | 4H LC50 | >5000 | mg/kg |

### TOLUENE

|     |     |      |      |       |
|-----|-----|------|------|-------|
| IVN | RAT | LD50 | 1960 | mg/kg |
| ORL | MUS | LD50 | 2    | gm/kg |
| ORL | RAT | LD50 | 6900 | mg/kg |

## Relevant hazards for product:

| Hazard                        | Route | Basis                 |
|-------------------------------|-------|-----------------------|
| Skin corrosion/irritation     | DRM   | Hazardous: calculated |
| Serious eye damage/irritation | OPT   | Hazardous: calculated |
| STOT-single exposure          | -     | Hazardous: calculated |
| STOT-repeated exposure        | -     | Hazardous: calculated |
| Aspiration hazard             | -     | Hazardous: calculated |

## Symptoms / routes of exposure

**Skin contact:** There may be redness or whiteness of the skin in the area of exposure. Irritation or pain may occur at the site of contact.

**Eye contact:** There may be severe pain. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. There may be vomiting. Convulsions may occur. There may be loss of consciousness.

[cont...]

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**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Absorption through the lungs can occur causing symptoms similar to those of ingestion.

Convulsions may occur. There may be loss of consciousness.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

**Hazardous ingredients:**

#### XYLENE (MIXED ISOMERS)

|                                     |          |           |      |
|-------------------------------------|----------|-----------|------|
| ALGAE                               | 72H IC50 | 2.2       | mg/l |
| Daphnia magna                       | 48H EC50 | 2930-4400 | µg/l |
| RAINBOW TROUT (Oncorhynchus mykiss) | 96H LC50 | 4200      | µg/l |

#### PROPAN-2-OL

|               |          |      |      |
|---------------|----------|------|------|
| Daphnia magna | 48H EC50 | >100 | mg/l |
| FISH          | 48H EC50 | >100 | mg/l |

#### ACETONE

|                                |      |      |      |
|--------------------------------|------|------|------|
| BLUEGILL (Lepomis macrochirus) | LC50 | 8300 | mg/l |
|--------------------------------|------|------|------|

#### HYDROCARBONS, C11-C13, ISOALKANES, LOW AROMATICS

|                                     |          |       |      |
|-------------------------------------|----------|-------|------|
| Daphnia magna                       | 48H EC50 | >250  | mg/l |
| RAINBOW TROUT (Oncorhynchus mykiss) | 96H LC50 | >1000 | mg/l |

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil. Volatile. Insoluble in water. Floats on water. Vapour is heavier than air.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** Harmful to aquatic organisms.

[cont...]



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## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Recovery operations:** Solvent reclamation/regeneration.

**Waste code number:** 20 01 13

**Disposal of packaging:** Dispose of as normal industrial waste. Clean with water.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1993

### 14.2. UN proper shipping name

**Shipping name:** FLAMMABLE LIQUID, N.O.S.

### 14.3. Transport hazard class(es)

**Transport class:** 3

### 14.4. Packing group

**Packing group:** III

### 14.5. Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

### 14.6. Special precautions for user

**Special precautions:** No special precautions.

**Tunnel code:** D/E

**Transport category:** 3

## Section 15: Regulatory information

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

**Specific regulations:** Not applicable.

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

[cont...]

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## Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

Product requires CRC (child resistant closure) and TDW (tactile danger warning) for retail sale to the general public.

**IMPORTANT NOTE:**

Risk phrases in this section below relate to the INDIVIDUAL COMPONENTS in the formulation when used at their FULL CONCENTRATIONS, and not at the reduced levels in the mixed product.

See sections 2 and 3 for the calculated hazard and risk phrases for the blended product.

**Phrases used in s.2 and s.3:** EUH066: Repeated exposure may cause skin dryness or cracking.

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H312+H332: Harmful in contact with skin or if inhaled

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H361d: Suspected of damaging the unborn child.

H373: May cause damage to organs through prolonged or repeated exposure.

H412: Harmful to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product. For professional and industrial use only.