

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 3/28/2023 Version: 1.11

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

### 1.1. Product identifier

Product form : Mixture

: SHAVER CLEANER Product name Product group : End product

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

#### 1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use Industrial/Professional use spec : For General Use

## 1.2.2. Uses advised against

No additional information available

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

FlowChemUK Limited

Block B, Mark Street Industrial Estate

Sandiacre

Nottingham

NG10 5AD

T +44 333 733 1541

sales@flowchemuk.com - www.flowchemuk.com

### 1.4. Emergency telephone number

Emergency number : 0844 892 0111

### **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

## Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 2 H225

Specific target organ toxicity — Single exposure, Category 3, Narcosis H319

Full text of H and EUH statements: see section 16 H336

## Adverse physicochemical, human health and environmental effects

No additional information available

Precautionary statements (CLP)

# 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)





GHS02

GHS07

Signal word (CLP) : Danger Contains : Isopropanol

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.

H319 - Causes serious eye irritation H336 - May cause drowsiness or dizzines P102 - Keep out of reach of children.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

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P233 - Keep container tightly closed.

P240 - Ground and bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting equipment.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P264 - Wash hands, forearms and face thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

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

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with 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.

P310 - Immediately call a POISON CENTER or doctor.

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

P321 - Specific treatment (see supplemental first aid instruction on this label).

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

P363 - Wash contaminated clothing before reuse.

P370+P378 - In case of fire: Use media other than water to extinguish.

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

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

## **SECTION 3: Composition/information on ingredients**

### 3.1. Substances

Not applicable

# 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Isopropanol	CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119457558- 25	10.8 – 22	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Polysorbate	CAS-No.: 9005-65-6	0.09 – 0.15	Not classified

Full text of H and EUH statements: see section 16

## **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures general

: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. Call a POISON CENTER/doctor if you feel unwell.

First-aid measures after skin contact

: Rinse skin with water/shower. Take off immediately all contaminated clothing. Immediately call a POISON CENTER/doctor.

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First-aid measures after 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/doctor. If eye irritation

persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects : Causes severe skin burns and eye damage.

Symptoms/effects after inhalation : May cause drowsiness or dizziness.

Symptoms/effects after eye contact : Causes serious eye irritation.

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

No additional information available

# **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

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

Fire hazard : Highly flammable liquid and vapour.

Explosion hazard : May form flammable/explosive vapour-air mixture.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## **SECTION 6: Accidental release measures**

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

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames.

No smoking.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Avoid breathing

dust/fume/gas/mist/vapours/spray.

Emergency procedures : Ventilate area.

# 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

Collect spillage. Store away from other materials.

## 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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## **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Additional hazards when processed

: Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Use only non-sparking tools. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact during pregnancy/while nursing. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated

area.

Hygiene measures

: Wash hands, forearms and face thoroughly after handling.

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

Technical measures

: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Comply with applicable regulations.

Storage conditions

: Keep only in the original container in a cool, well ventilated place away from : Keep in fireproof place. Keep container tightly closed.

Incompatible products

: Strong bases. Strong acids.

Incompatible materials

: Sources of ignition. Direct sunlight. Heat sources.

#### 7.3. Specific end use(s)

No additional information available

## **SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

### 8.1.1 National occupational exposure and biological limit values

Isopropanol (67-63-0)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	999 mg/m³ (8 hours)
IOEL TWA [ppm]	400 ppm (8 hours)
IOEL STEL	1250 mg/m³ (15 mins)
IOEL STEL [ppm]	500 ppm (15 mins)

## 8.1.2. Recommended monitoring procedures

No additional information available

## 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

## 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

## 8.2.1. Appropriate engineering controls

No additional information available

### 8.2.2. Personal protection equipment

## Personal protective equipment:

Avoid all unnecessary exposure.

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### Personal protective equipment symbol(s):





#### 8.2.2.1. Eye and face protection

## Eye protection:

Chemical goggles or face shield

#### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Wear protective gloves.

#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Other information:

Do not eat, drink or smoke during use.

# **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Clear, colorless liquid.
Colour : clear.

Odour : Alcohol like.
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available

Freezing point :  $0 \, ^{\circ}\text{C}$ Boiling point :  $90 - 100 \, ^{\circ}\text{C}$ Flash point :  $29 \, ^{\circ}\text{C}$ 

Auto-ignition temperature : No data available Decomposition temperature : No data available

Flammability (solid, gas) : Highly flammable liquid and vapour.

Vapour pressure : No data available Relative vapour density at 20 °C : No data available Relative density : No data available

Density : 0.98 g/l Solubility : Miscible.

Partition coefficient n-octanol/water (Log Pow) : No data available Viscosity, kinematic : No data available Viscosity, dynamic : No data available Explosive properties : No data available Oxidising properties : No data available Explosive limits : No data available : No data available

# 9.2. Other information

No additional information available

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## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

Thermal decomposition generates: Corrosive vapours.

### 10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of hazardous reactions

Not established.

## 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame.

### 10.5. Incompatible materials

Strong acids. Strong bases.

## 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases. Thermal decomposition generates: Corrosive vapours.

## **SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Isopropanol (67-63-0)	
LD50 oral rat	4700 mg/kg
LD50 oral	≥ 2000 mg/kg (rabbit)
LC50 Inhalation - Rat	46.5 mg/l/4h

Skin corrosion/irritation	:	Causes severe skin burns.

Pol	/sorbate (	(9005-65-6)	
		( )	

pH 5-8

Serious eye damage/irritation : Causes serious eye irritation.

## Polysorbate (9005-65-6)

pH 5-8 Respiratory or skin sensitisation : Not classified

Additional information : Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified

Additional information : Based on available data, the classification criteria are not met

STOT-single exposure : May cause drowsiness or dizziness.

## Isopropanol (67-63-0)

STOT-single exposure May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

Additional information : Based on available data, the classification criteria are not met

Aspiration hazard : Not classified

Potential adverse human health effects and

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Additional information : Based on available data, the classification criteria are not met

symptoms

: Based on available data, the classification criteria are not met

# **SECTION 12: Ecological information**

## 12.1. Toxicity

Hazardous to the aquatic environment, short-term : Not classified

(acute)

Hazardous to the aquatic environment, long-term : Not classified

(chronic)

Isopropanol (67-63-0)	
LC50 - Fish [1]	≥ 100 mg/l (48 hours)
LC50 - Other aquatic organisms [2]	≥ 100 mg/l (Algae, 72 hours)
EC50 - Crustacea [1]	≥ 100 mg/l (48 hours)

## 12.2. Persistence and degradability

SHAVER CLEANER	
Persistence and degradability	Not established.
Isopropanol (67-63-0)	
Persistence and degradability	Biodegradable.

## 12.3. Bioaccumulative potential

SHAVER CLEANER	
Bioaccumulative potential	Not established.
Isopropanol (67-63-0)	
Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.

## 12.4. Mobility in soil

No additional information available

## 12.5. Results of PBT and vPvB assessment

No additional information available

## 12.6. Other adverse effects

Additional information : Avoid release to the environment.

# **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of

contents/container to hazardous or special waste collection point, in accordance with local,

regional, national and/or international regulation.

Additional information : Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials : Avoid release to the environment.

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## **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

## 14.1 UN number

 UN-No. (ADR)
 : UN 1219

 UN-No. (IMDG)
 : UN 1219

 UN-No. (IATA)
 : UN 1219

 UN-No. (ADN)
 : UN 1219

 UN-No. (RID)
 : UN 1219

## 14.2. UN proper shipping name

Proper Shipping Name (ADR) : ISOPROPANOL (ISOPROPYL ALCOHOL)
Proper Shipping Name (IMDG) : ISOPROPANOL (ISOPROPYL ALCOHOL)

Proper Shipping Name (IATA) : Isopropyl alcohol

Proper Shipping Name (ADN) : ISOPROPANOL (ISOPROPYL ALCOHOL)
Proper Shipping Name (RID) : ISOPROPANOL (ISOPROPYL ALCOHOL)

Transport document description (ADR)

: UN 1219 ISOPROPANOL (ISOPROPYL ALCOHOL), 3, II, (D/E)

Transport document description (IMDG)

: UN 1219 ISOPROPANOL (ISOPROPYL ALCOHOL), 3, II (12°C c.c.)

Transport document description (IATA) : UN 1219 Isopropyl alcohol, 3, II

Transport document description (ADN) : UN 1219 ISOPROPANOL (ISOPROPYL ALCOHOL), 3, II
Transport document description (RID) : UN 1219 ISOPROPANOL (ISOPROPYL ALCOHOL), 3, II

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 3
Danger labels (ADR) : 3



### **IMDG**

Transport hazard class(es) (IMDG) : 3

Danger labels (IMDG) :



## IATA

Transport hazard class(es) (IATA) : 3
Danger labels (IATA) : 3



## ADN

Transport hazard class(es) (ADN) : 3
Danger labels (ADN) : 3



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#### RID

Transport hazard class(es) (RID) : 3 Danger labels (RID) : 3



## 14.4. Packing group

Packing group (ADR) : 11 : 11 Packing group (IMDG) : 11 Packing group (IATA) : II Packing group (ADN) : II Packing group (RID)

### 14.5. Environmental hazards

Dangerous for the environment : No Marine pollutant No

Other information No supplementary information available

## 14.6. Special precautions for user

#### **Overland transport**

Classification code (ADR) : F1 Special provisions (ADR) 601 Limited quantities (ADR) 11 Excepted quantities (ADR) : E2

: P001, IBC02, R001 Packing instructions (ADR)

Mixed packing provisions (ADR) MP19 Portable tank and bulk container instructions (ADR) : T4 Portable tank and bulk container special provisions : TP1

(ADR)

Tank code (ADR) : LGBF : FL Vehicle for tank carriage : 2 Transport category (ADR) Special provisions for carriage - Operation (ADR) S2, S20 Hazard identification number (Kemler No.) : 33

Orange plates

33 1219

Tunnel restriction code (ADR) : D/E

## Transport by sea

Limited quantities (IMDG) : 1L : E2 Excepted quantities (IMDG) Packing instructions (IMDG) P001 IBC packing instructions (IMDG) IBC02 T4 Tank instructions (IMDG) Tank special provisions (IMDG) TP1 EmS-No. (Fire) F-E EmS-No. (Spillage) S-D Stowage category (IMDG) В Flash point (IMDG) 12°C c.c.

Properties and observations (IMDG) Colourless, mobile liquid. Flashpoint: 12°C c.c. Explosive limits: 2% to 12% Miscible with

water.

#### Air transport

PCA Excepted quantities (IATA) : E2 PCA Limited quantities (IATA) : Y341 PCA limited quantity max net quantity (IATA) : 1L

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PCA packing instructions (IATA)	:	353
PCA max net quantity (IATA)	:	5L
CAO packing instructions (IATA)	:	364
CAO max net quantity (IATA)	:	60L
Special provisions (IATA)	:	A180
ERG code (IATA)	:	3L

#### Inland waterway transport

: F1 Classification code (ADN) : 601 Special provisions (ADN) Limited quantities (ADN) : 1L Excepted quantities (ADN) : E2 : T Carriage permitted (ADN) : PP, EX, A Equipment required (ADN) Ventilation (ADN) : VE01 Number of blue cones/lights (ADN) : 1

### Rail transport

Classification code (RID) : F1
Special provisions (RID) : 601
Limited quantities (RID) : 1L
Excepted quantities (RID) : E2

Packing instructions (RID) : P001, IBC02, R001

Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T4
Portable tank and bulk container special provisions : TP1

(RID)

Tank codes for RID tanks (RID): LGBFTransport category (RID): 2Colis express (express parcels) (RID): CE7Hazard identification number (RID): 33

## 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## **SECTION 15: Regulatory information**

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

### 15.1.1. EU-Regulations

### **REACH Annex XVII (Restriction List)**

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	SHAVER CLEANER; Isopropanol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	SHAVER CLEANER; Isopropanol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
40.	SHAVER CLEANER; Isopropanol	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

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#### **REACH Annex XIV (Authorisation List)**

Contains no REACH Annex XIV substances

### **REACH Candidate List (SVHC)**

Contains no substance on the REACH candidate list

### **PIC Regulation (Prior Informed Consent)**

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

## **POP Regulation (Persistent Organic Pollutants)**

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

## Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

### **Explosives Precursors Regulation (2019/1148)**

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

#### **Drug Precursors Regulation (273/2004)**

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## **SECTION 16: Other information**

Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE	

COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and

amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.