

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : R-Clean Window Cleaner
Revision date : 06-07-2016
Print Date : 26-09-2015

Version (Revision) : 4

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

1.1 Product identifier

R-Clean Window Cleaner

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

Relevant identified uses

Washing and cleaning products (including solvent based products)

Sector of uses [SU]

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Process categories [PROC]

PROC8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities

PROC11 - Non industrial spraying

PROC19 - Hand-mixing with intimate contact and only PPE available

Environmental release categories [ERC]

ERC8a - Wide dispersive indoor use of processing aids in open systems

Uses advised against

This product should not be used for purposes other than the applications referred to above.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Qlean-tec BV

Street : Rendementsweg 24

Postal code/city : 3641 SL Mijdrecht

Telephone : +31 (0)297-274390

Telefax : +31 (0)297-272442

Website : www.qleantec.com

E-mail (competent person) : marketing@qleantec.com

1.4 Emergency telephone number

Qlean-tec: (0) 297 274390 (08:00 – 17:00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

None

2.2 Label elements

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

Special rules for supplemental label elements for certain mixtures

EUH210 Safety data sheet available on request.

2.3 Other hazards

Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

2.4 Additional information

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition/information on ingredients

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : R-Clean Window Cleaner
Revision date : 06-07-2016
Print Date : 26-09-2015

Version (Revision) : 4

3.2 Mixtures

Hazardous ingredients

PROPAN-2-OL ; REACH registration No. : 01-2119457558-25 ; EC No. : 200-661-7; CAS No. : 67-63-0
Weight fraction : $\geq 2,5 - < 10 \%$
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.

Following inhalation

No special measures are necessary.

In case of skin contact

Change contaminated, saturated clothing. Wash contaminated clothing prior to re-use.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Call a physician in any case! Do NOT induce vomiting. If major quantity of dust is swallowed or inhaled, immediately drink: Water

4.2 Most important symptoms and effects, both acute and delayed

The following symptoms may occur: No known symptoms to date.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water mist Foam Extinguishing powder Carbon dioxide (CO₂)

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

5.4 Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : R-Clean Window Cleaner
Revision date : 06-07-2016
Print Date : 26-09-2015

Version (Revision) : 4

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

6.3 Methods and material for containment and cleaning up

For containment

Collect in closed and suitable containers for disposal. Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Suitable material for taking up: Sand Absorbing material, organic

6.4 Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage



7.1 Precautions for safe handling

None

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep/Store only in original container. Suitable container/equipment material: Stainless steel Polyethylene (PE)

Hints on joint storage

Storage class : 12

Storage class (TRGS 510) : 12

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

PROPAN-2-OL ; CAS No. : 67-63-0

Limit value type (country of origin) : TRGS 900 (D)

Limit value : 200 ppm / 500 mg/m³

Peak limitation : 2(II)

Remark : Y

Version : 04-11-2017

Biological limit values

PROPAN-2-OL ; CAS No. : 67-63-0

Limit value type (country of origin) : TRGS 903 (D)

Parameter : Acetone / Whole blood (B) / End of exposure or end of shift

Limit value : 50 mg/l

Version : 31-03-2004

Limit value type (country of origin) : TRGS 903 (D)

Parameter : Acetone / Urine (U) / End of exposure or end of shift

Limit value : 50 mg/l

Version : 31-03-2004

8.2 Exposure controls

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : R-Clean Window Cleaner
Revision date : 06-07-2016
Print Date : 26-09-2015

Version (Revision) : 4

Personal protection equipment

Skin protection

Hand protection Suitable gloves type DIN EN 374 Butyl caoutchouc (butyl rubber) NBR (Nitrile rubber) Required properties liquid-tight. Breakthrough time (maximum wearing time) Permeation time (maximum wear time) Thickness of the glove material Nitril: 0,12 mm Butyl: 0,50 mm

General health and safety measures

Immediately remove any contaminated clothing, shoes or stockings. Wash contaminated clothing prior to re-use.

Environmental exposure controls

See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Colour : blue

Odour : Perfume

Safety relevant basis data

Physical state :			liquid
Melting point/melting range :			No data available
Initial boiling point and boiling range :	(1013 hPa)	>	100 °C
Decomposition temperature :		>	200 °C
Freezing point :			No data available
Flash point :			not applicable
Auto-ignition temperature :		>	250 °C
Lower explosion limit :			not applicable
Upper explosion limit :			not applicable
Vapour Pressure :	(20 °C)		No data available
Evaporation rate (n-butylacetate = 1) :			No data available
Density :	(20 °C)	approx.	0,99 g/cm ³
Water solubility :	(20 °C)		100 Wt %
pH :			11,4
Partition coefficient (n-octanol/water) :		<	3
Viscosity :	(20 °C)	<	10 mPa.s
Vapour density (air = 1) :	(101 kPa)		No data available

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

not applicable

10.2 Chemical stability

Stable under normal conditions of use

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Strong oxidizers

10.6 Hazardous decomposition products

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : R-Clean Window Cleaner
Revision date : 06-07-2016
Print Date : 26-09-2015

Version (Revision) : 4

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter : LD50 (PROPAN-2-OL ; CAS No. : 67-63-0)
Exposure route : Oral
Species : Rat
Effective dose : 5840 mg/kg

Irritant and corrosive effects

Primary irritation to the skin

Not an irritant.

Irritation to eyes

Not an irritant.

Irritation to respiratory tract

No data available

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Germ cell mutagenicity

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.

STOT-single exposure

not applicable

SECTION 12: Ecological information

12.1 Toxicity

harmless to aquatic organisms up to the tested concentration

12.2 Persistence and degradability

Biodegradable.

12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 Other adverse effects

None

12.7 Additional ecotoxicological information

None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Delivery to an approved waste disposal company. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Handle contaminated packages in the same way as the substance itself.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : R-Clean Window Cleaner
Revision date : 06-07-2016
Print Date : 26-09-2015

Version (Revision) : 4

SECTION 14: Transport information

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

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

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

EU legislation

Other regulations (EU)

Labelling for contents according to regulation (EC) No. 648/2004

None

National regulations

Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to VwVWS

15.2 Chemical safety assessment

Chemical safety assessments for substances in this preparation were not carried out.

SECTION 16: Other information

16.1 Indication of changes

02. Label elements · 03. Hazardous ingredients

16.2 Abbreviations and acronyms

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road

ASTM = American Society of Testing and Materials (US)

CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)

DNEL = Derived No-Effect Level

DT50 = Time for 50% loss; half-life

EbC50 = Median effective concentration (biomass, e.g. of algae)

EC50 = Median effective concentration

EINECS = European Inventory of Existing Commercial Chemical Substances

ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)

ErC50 = Median effective concentration (growth rate, e.g. of algae)

EWC = European Waste Catalogue

IATA = International Air Transport Association

IC50 = Concentration that produces 50% inhibition

IMDG = International Maritime Dangerous Goods Code

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : R-Clean Window Cleaner
Revision date : 06-07-2016
Print Date : 26-09-2015

Version (Revision) : 4

IMO = International Maritime Organization
LC50 = Concentration required to kill 50% of test organisms
LD50 = Dose required to kill 50% of test organisms
LEL = Lower Explosive Limit/Lower Explosion Limit
LOAEL = Lowest observed adverse effect level
MRL = Maximum Residue Limit
NOAEL = No Observed Adverse Effect Level
NOEC = No observed effect concentration
NOEL = No Observable Effect Level
OEL = Occupational Exposure Limits
PBT = Persistent, Bioaccumulative or Toxic
PNEC = Previsible Non Effect Concentration
STEL = Short-Term Exposure Limit
TWA = Time-Weighted Average
vPvB = Very Persistent and Very Bioaccumulative

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

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

16.6 Training advice

None

16.7 Additional information

Article No.: 500001230405

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
