

Safety Data Sheet

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



Trade name : MANICLEAN
Revision date : 14.02.2017
Print date : 27-12-2018

Version (Revision) : 8.0.0 (7.0.0)

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

1.1 Product identifier

MANICLEAN (946577)

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

No information available.

1.3 Details of the supplier of the safety data sheet

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

Chempropack B.V.

Street : Donker Duyvisweg 45

Postal code/city : 3316 BL Dordrecht

Telephone : 078-6183500

Telefax : 078-6180768

1.4 Emergency telephone number

078-6183500

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

Flam. Liq. 2 ; H225 - Flammable liquids : Category 2 ; Highly flammable liquid and vapour.

2.2 Label elements

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

Hazard pictograms



Flame (GHS02) · Exclamation mark (GHS07)

Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statements

P210 Keep away from sparks, open flames en hot surfaces. - No smoking.

P233 Keep container tightly closed.

P280 Wear protective gloves and eye protection.

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

P370+P378 In case of fire: Use foam, powder or CO2 for extinction.

P501 Dispose of contents/container to

2.3 Other hazards

None

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

ETHANOL ; REACH registration No. : 01-2119457610-43-0010 ; EC No. : 200-578-6; CAS No. : 64-17-5

Weight fraction : $\geq 50 - < 100$ %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319

PROPAN-2-OL ; REACH registration No. : 01-2119457558-25-xxxx ; 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 R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Call a physician. Unconsciousness: lateral position - call a physician.

General information

Please note safety instructions and directions for use on the drum. Immediately remove person concerned out of danger area. Immediately remove all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention.

Following inhalation

Remove concerned person out of danger area. Take the casualty into the fresh air and keep warm. Irregular breathing/no breathing: artificial respiration. Call a doctor, should the air passages be affected.

In case of skin contact

Flush away with water and rinse. Apply cream carefully to the cleaned skin.

After eye contact

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Do not induce vomiting. Drink plenty of water. Do not induce vomiting - call a physician.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Alcohol resistant foam, CO₂, powders, water spray. Foam, CO₂, powder extinguisher, water haze, water spray jet. Water.

Unsuitable extinguishing media

Waterjet.

5.2 Special hazards arising from the substance or mixture

During fires carbon monoxide may be given off.

5.3 Advice for firefighters

Special protective equipment for firefighters

When extinguishing fires, use breathing apparatus with an independent source of air.

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5.4 Additional information

Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Provide for sufficient ventilation.

6.2 Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

None

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Only use in locations with adequate suction ventilation.

Protective measures

Measures to prevent fire

Keep away from ignition sources - No smoking. No sparking tools should be used.

7.2 Conditions for safe storage, including any incompatibilities

Do not leave vessels open, earth storage containers. Make sure that ventilation is adequate. Storerooms need to be well ventilated.

Hints on joint storage

Storage class : 3

Storage class (TRGS 510) : 3

Further information on storage conditions

Please note safety instructions and directions for use on the drum. Store containers tightly closed in a cool well ventilated place.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

ETHANOL ; CAS No. : 64-17-5

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

Limit value : 500 ppm / 960 mg/m³

Peak limitation : 2(II)

Remark : Y

Version : 17-10-2017

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)

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Remark : Y
Version : 17-10-2017

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 : 25 mg/l

Version : 08-06-2017

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

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

Limit value : 25 mg/l

Version : 08-06-2017

8.2 Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit) , suitable respiratory protection must be worn.

Personal protection equipment

Do not eat or drink during work - no smoking. Keep away from food, drink and animal feeding stuff Immediately remove all contaminated clothing.

Eye/face protection

Use tightly fitting safety glasses.

Skin protection

Hand protection

Protective gloves, PVC or rubber.

Body protection

Use appropriate skin protection cream before work.

Respiratory protection

Do not inhale the vapour. Provide for good ventilation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Colour Colourless

Odour Characteristic

Clarity Clear

Safety relevant basis data

Physical state :

gel

Flash point :

<

21 °C

Density :

(20 °C)

0.862 - 0.869 g/cm³

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

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10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

No information available.

SECTION 12: Ecological information

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

Toxic effect on fishes and micro-organisms.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Do not empty into waters or drains. In accordance with local official regulations. Pass on to an appropriate waste dump.

SECTION 14: Transport information

14.1 UN number

UN 1993

14.2 UN proper shipping name

Land transport (ADR/RID)

FLAMMABLE LIQUID, N.O.S. (ETHANOL · ISOPROPANOL)

Sea transport (IMDG)

FLAMMABLE LIQUID, N.O.S. (ETHANOL · ISOPROPANOL)

Air transport (ICAO-TI / IATA-DGR)

FLAMMABLE LIQUID, N.O.S. (ETHANOL · ISOPROPANOL)

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14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 3
Classification code : F1
Hazard identification number (Kemler No.) : 33
Tunnel restriction code : D/E
Special provisions : E 2 · LQ 1 I · 640D
Hazard label(s) :



Sea transport (IMDG)

Class(es) : 3
EmS-No. : F-E / S-E
Special provisions : LQ 1 I · E 2
Hazard label(s) :



Air transport (ICAO-TI / IATA-DGR)

Class(es) : 3
Special provisions : E 2
Hazard label(s) :



14.4 Packing group

II

14.5 Environmental hazards

Land transport (ADR/RID) : No
Sea transport (IMDG) : No
Air transport (ICAO-TI / IATA-DGR) : No

14.6 Special precautions for user

Do not use zinc containers. Do not use light metal containers.

14.8 Additional information

Protect against moisture. Avoid moisture. Cooling 0 °C, moisture. Avoid heat influence. Close containers hermetically and protect against: heating > 50 °C. Leakages should be absorbed with liquid-binding material.

SECTION 15: Regulatory information

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

National regulations

Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to AwSV
Percentage of carcinogenic substances WGK 3 : - 0 %
Percentage of carcinogenic substances WGK 2 : - 0 %
Percentage of carcinogenic substances : - 0 %

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Percentage of substances WGK 3 : - 0 %
Percentage of substances WGK 3 with M-Factor : - 0 %
Percentage of substances WGK 3 (nwg) : - 0 %
Percentage of substances WGK 2 : - 0 %
Percentage of substances WGK 2 with M-Factor : - 0 %
Percentage of substances WGK 1 : + 71.7368 %
Percentage of substances non-hazardous to water (nwg) : 28.0632 %
Percentage of substances unidentified : - 0 %
Percentage of substances unidentified (nwg) : - 0 %
Percentage of floating liquids : 0 %

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

02. Classification of the substance or mixture · 02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 03. Hazardous ingredients · 14. Transport hazard class(es) - Land transport (ADR/RID) · 15. Water hazard class (WGK)

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

None

16.5 Relevant R-, 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.
11	Highly flammable.
36	Irritating to eyes.

16.6 Training advice

None

16.7 Additional information

The details in this material safety data sheet satisfy national and EC legislation. We have no knowledge or control over the user's working conditions however. The product may not be used for any purpose other than that specified in chapter 1 unless written consent has been obtained. The user is responsible for the observance of all required statutory provisions.

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.