

1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Name of product primoclean

Manufacturer/distributor

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Advice

F&E
Fax +49 (0)6172-99770-99

Emergency advice

Giftinformationszentrum Universitätsklinikum Mainz
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Recommended intended purpose(s)

dental use

2. Hazards identification

Classification according to 67/548/EEC or 1999/45/EC

F; R11

Xi; R36

R67

R-phrases

11 Highly flammable.
36 Irritating to eyes.
67 Vapours may cause drowsiness and dizziness.

Labelling according to 67/548/EEC or 1999/45/EC

F Highly flammable

Xi Irritant



R-phrases

11 Highly flammable.
36 Irritating to eyes.
67 Vapours may cause drowsiness and dizziness.

S-phrases

16 Keep away from sources of ignition - No smoking.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
7 Keep container tightly closed.



3. Composition/information on ingredients

Hazardous ingredients

| CAS No | EC No | Name | [% weight] | Classification according to 67/548/EEC |
|---------|-----------|-------------|------------|--|
| 67-63-0 | 200-661-7 | propan-2-ol | 95 - 100 | F R11; Xi R36; R67 |

4. First aid measures

General information

Remove moisted clothing immediately.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off immediately with soap and water.

Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion

Do not induce vomiting.

Call for a doctor immediately.

Rinse out mouth thoroughly with water.

Give plenty of water to drink in small sips.

5. Firefighting measures

Suitable extinguishing media

Foam

Dry powder

Carbon dioxide

Extinguishing media which must not be used for safety reasons

Full water jet

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Wear full protective clothing.

Additional information

Cool endangered containers with water spray jet.

Collect contaminated firefighting water separately, must not be discharged into the drains.

6. Accidental release measures

Personal precautions

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

Send in suitable containers for recovery or disposal.

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Printed 22.07.2011

Revision 22.07.2011 (GB) Version 1.3

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7. Handling and storage

Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Take measures against electrostatically charging.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

Vapours can form an explosive mixture with air.

Requirements for storage rooms and vessels

No storage or transport in containers of light metal or alloys.

Keep only in original container.

Advice on storage compatibility

Store and transport separate of food.

Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

Store only at temperature of 30°C maximum (=86°F).

Storage group 3A

8. Exposure controls/personal protection

biological limits (TRGS 903)

| CAS No | Name | Parameter | BGW | Examination | Test date |
|---------|-------------|-----------|---------|-----------------------|-----------|
| 67-63-0 | propan-2-ol | Aceton | 50 mg/l | B ^{material} | b |
| 67-63-0 | propan-2-ol | Aceton | 50 mg/l | U | b |

Respiratory protection

Short term: filter apparatus, filter A

Hand protection

Gloves (solvent-resistant)

Eye protection

safety goggles

Skin protection

Light protective clothing.

General protective measures

Do not inhale vapours.

Avoid contact with eyes and skin

Hygiene measures

Remove soiled or soaked clothing immediately.

Use barrier skin cream.

9. Physical and chemical properties

Form

liquid

Colour

coloured

Odour

of vegetable oil

Important health, safety and environmental information

| Value | Temperature | at | Method | Remark |
|-----------------------------------|-------------|----|--------|---------|
| pH value in delivery state | | | | neutral |

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| | Value | Temperature | at | Method | Remark |
|------------------------------|------------------------|-------------|----------|--------|----------------------------------|
| boiling point | 82 °C | | 1013 hPa | | |
| melting point | -89 °C | | | | |
| Flash point | 12 °C | | | | |
| Ignition temperature | 425 °C | | | | |
| Lower explosion limit | 2 Vol-% | | | | |
| Upper explosion limit | 12,7 Vol-% | | | | |
| Vapour pressure | 43 hPa | 20 °C | | | |
| Density | 0,79 g/cm ³ | 20 °C | | | |
| Solubility in water | | | | | soluble |
| Solubility/other | | | | | soluble in most organic solvents |

Additional information

Physical dates refer to main elements.

10. Stability and reactivity

Conditions to avoid

Protect from heat.

Materials to avoid

Reactions with strong acids.

Reactions with oxidising agents.

Reactions with alkali metals.

Reactions with earth alkali metals.

11. Toxicological information

Acute toxicity/Irritability/Sensitization

| | Value/Validation | Species | Method | Remark |
|------------------------------|---------------------|---------|--------|---|
| LD50 acute oral | 4570 mg/kg | rat | | Information concerns to main component. |
| LD50 acute dermal | 13400 mg/kg | rabbit | | |
| LC50 acute inhalation | 30 mg/l (4 h) | rat | | |
| Irritability skin | low irritant effect | | | |
| Irritability eye | low irritant | | | |
| Skin sensitization | sensitizing | | | |

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Additional information

The declarations of toxicology refer to main component.

12. Ecological information

Data on elimination (persistence and degradability)

| | Elimination rate | Method of analysis | Method | Validation |
|---------------------------------|------------------|--------------------|--------|--------------------|
| Biological degradability | | | | readily degradable |

Ecotoxicological effects

| | Value | Species | Method | Validation |
|----------------|------------------------|---------------------|--------|------------|
| Fish | LC50 9640 mg/l (96 h) | Pimephales promelas | | |
| Daphnia | EC50 > 100 mg/l (48 h) | Daphnia magna | | |
| Algae | IC50 > 100 mg/l (96 h) | | | |

General regulation

Product is not allowed to be discharged into the ground water or aquatic environment.

The information to ecology refers to main component.

13. Disposal considerations

Waste code No.

07 02 08*

Name of waste

other still bottoms and reaction residues

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

Recommendations for the product

In accordance with regulations for special waste, must be taken to a special waste disposal.

Recommendations for packaging

Uncontaminated packaging may be taken for recycling.

Packaging that cannot be cleaned should be disposed of like the product.

14. Transport information

Land and inland navigation transport ADR/RID

UN 1219 ISOPROPANOL, 3, II, Classification code: F1

Marine transport IMDG

UN 1219 ISOPROPANOL, 3, II

Air transport ICAO/IATA-DGR

UN 1219 ISOPROPANOL, 3, II

15. Regulatory information

National regulations

Water hazard class

1 self-classification

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16. Other information

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 11 Highly flammable.

R 36 Irritating to eyes.

R 67 Vapours may cause drowsiness and dizziness.