

Material Safety Data Sheet
According to 1907/2006/EG, Article 31
modification (EG) no. 453/2010

Printing date: 22-03-2016
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SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1 Product identification

Trade name: Guttasol®

Article number: P50031

1.2 Relevant Identified uses of the substance or mixture and uses advised against
Application of the substance/ the preparation: Professional use

1.2.2 Uses advised against:

Not allowed for supply to the general public and / or applications that may release substances such as in surface cleaning and cleaning of fabrics.

1.3 Details of the supplier of the safety data sheet

Manufacturer/ supplier:

Denteck B.V.
Heliumstraat 8
2718 SL Zoetermeer
T. +31-(0)79-3617573
@ info@denteck.nl
W www.denteck.nl

Further information obtainable from: Denteck B.V.

1.4 Emergency Telephone number:

The Netherlands: Tel: 030-274 88 88, National poisoning Centre (Only to inform doctors in case of accidental poisoning).

Belgium: Belgium Poisoning Centre; Phone: +32 (0)70-245 245

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EG) no. 1272/2008

Acute oral toxicity (Category 4), H302

Acute inhalation toxicity (Category 4), H331

Skin corrosion / irritation (category 2), H315

Eye Irrit. (Category 2), H319
Carcinogenicity (Category 2), H351
Reproductive toxicity (category 2) H361d
Specific target organ toxicity, repeated exposure, H372 (Category 2)

2.2 Label elements

Labelling according to Regulation (EC) no. 1272/2008

The product is classified and labeled according to the CLP regulation.

Hazard pictograms



GHS08

GHS06

Signal word: Danger

Hazard Statements: H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H351 Suspected of causing cancer.
H361d Suspected of damaging fertility or the unborn child.
H372 Causes damage to organs.

Precautions: P281 Use personal protective equipment as required.
P260 Do not breathe dust and mist.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 +P352 IF ON SKIN: Gently wash with plenty of soap and water.

2.3 Other hazards

No additional information available.

SECTION 3. Composition and information on ingredients

3.1 Substances

Does not apply.

3.2 Mixtures.

Dangerous components:

Chloroform	CAS: 67-66-3 EINECS: 200-663-8	70 – 90%	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; Carc. 2; Repr. 2; STOT SE 3; STOT SE 2; H302, H332, H315, H319, H336, H351, H361d, H373
Eucalyptus olie	CAS: 84625-32-1 EINECS: 283-406-2	10 – 20%	Flam. Liq.3 H226 Asp. Tox. 1 H304 Aquatic Chronic 2 H411

			Skin Sens. 1 H317
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Additional information:

The wording of the instructions given on the possible hazards can be found in section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Move to fresh air. If breathing is difficult give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device. Seek medical attention.

After skin contact: Wash with water for at least 15 minutes. Seek medical attention.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention.

Notes to physician: Treat symptomatically.

4.2 Most important acute and delayed symptoms and effects: No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information available.

SECTION 5: Firefighting measures.

5.1 Extinguishing

Suitable extinguishing media:

Alcohol-resistant foam. Water spray. Dry powder. Carbon dioxide.

Extinguishing media which must not be used for safety reasons:

No data available.

5.2 Special hazards caused by the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing according to the MSHA / NIOSH (or equivalent) and full protective clothing and appropriate protective clothing. Thermal decomposition can lead to release of irritating gases and vapors.

SECTION 6: Measures Accidental release of the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:

Provide adequate ventilation. Use personal protective equipment.

6.2 Environmental precautions: Should not be released into the environment.

6.3 Measures for cleaning and collecting:

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections:

No additional information available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling of the substance or mixture:

Wear personal protective equipment. Provide adequate ventilation. Avoid contact with eyes, skin or clothing. Avoid ingestion and inhalation. Use only in a laboratory investigation cabine.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3 Specific end uses: No further relevant information available.

SECTION 8: Exposure controles / personal protection

8.1 Control parameters

Components with critical values that have to be respected in view of the workplace:		
67-66-3 Chloroform		
Netherlands	TWA: 8H (mg/m ³)	5 mg/m ³
Netherlands	STEL: 15 min. (mg/m ³)	25 mg/m ³

8.2 Precautions to control exposure:

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety. Wash hands before breaks and at the end of workday.

Personal protective equipment:

Eye protection / face protection: Face protection and safety goggles. Use facial and / or eye protection tested and approved by official bodies such as NIOSH (US) or EN 166 (EU).

Skin protection:

handle with gloves. Gloves must be inspected prior to use. Take off gloves neatly without touching the outside with bare hands. Discard gloves used directly according to the applicable laboratory rules. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686 / EEC and the standard EN374, which is derived from it.

full contact

Material: Fluoridated rubber

Minimum layer thickness: 0.7 mm

Break through time: 480 min.

splash contact

Material: Fluoridated rubber

Minimum layer thickness: 0.7 mm

Break through time: 480 min

When used in solution, or mixed with other ingredients, or in circumstances other than in accordance with EN374, first contact the supplier in accordance with EU guidelines approved gloves. This recommendation is only an opinion and should be re-evaluated by an occupational hygienist or safety expert who is familiar with the specific situation and use by our customers. It should not be seen as a direct permission for each specific usage scenario.

Body protection:

Complete suit protecting against chemicals. The type of protection according to the concentration and amount of the dangerous substance at the specific workplace.

Protection of the respiratory system:

Where respiratory risks occur, if necessary, use a full-face respirator in combination with (US) and / or type AXBEK (EN 14387) breathing pattern as support in plant control. If the mask is the sole means of protection, use a full-face respirator (oxygen mask). Use respirators tested and approved by official government bodies such as (NIOSH (US) or CEN (EU).

Prevent of environmental exposure:

Prevent further leakage or spillage if safe. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General data

Appearance:

Form:	Fluid
Color:	Colorless
Odour:	Aromatic
Odor threshold:	Not determined
pH:	Not applicable
Change	
Boiling point / Boiling range:	60.5 - 61.5 ° C
Melting point / range:	-63°C
Flash point:	Undetermined
Density:	1,335 g / cm ³
Flammability (solid, gaseous):	Not applicable
Ignition temperature:	Not determined
Decomposition temperature:	Not determined
Ignition temperature:	Not determined
Vapor density:	4.12
Vapor pressure:	213 hPa
Evaporation rate:	(butyl acetate = 1.0)
Relative density:	Not determined
Solubility in water:	8 g / L (20 ° C)
Density:	1,480
Molecular formula:	C H Cl ₃
Molecular Weight:	119.38
Partition (n-octanol/water):	Not determined
Viscosity	
Dynamic:	Not determined
Kinematic:	Not determined

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity:

10.2 Chemical stability: Light hypersensitivity.

10.3 Possibility of hazardous reactions:

Hazardous Polymerization: Hazardous polymerization does not occur.

Hazardous reactions: None under normal processing.

10.4 Conditions to avoid: Incompatible products, Excess heat, Exposure to light.

10.5 Incompatible materials: Strong oxidizers

10.6 Hazardous decomposition products: Carbon monoxide, carbon dioxide (CO₂), Hydrogen chloride gas.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Chloroform	
LD50 Oral	695 mg/kg (rat)
LD50 Skin	3980 mg/kg (rabbit)

LC50 Inhalation	47,702 mg/l (rat) 4h
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Chronic toxicity

Carcinogenicity: The table below indicates whether each agency has a substance classified as a carcinogen. Carcinogenic effect are not excluded.

Chloroform	
IARC	Group 2B

Sensitization: No data available

Mutagenicity: No information available

Reproductive Effects: No information available

Developmental effects: No information available

Target Organ: Skin, Respiratory system, Eyes

Other adverse effects: In laboratory animals are tumorigenic effects observed. Consult RTECS for complete information.

Endocrine Disruptor Information: None known.

SECTION 12: Ecological information

12.1 Toxicity:

Ecological Effects: Do not empty into drains

Substance	Freshwater Algae	Freshwater Fish	Microtox	Waterflea
Chloroform	EC50= 560 mg/L/48h	300 mg/L LC50 96h 71 mg/L LC50 96h 18 mg/L LC50 96h	Photobacterium phosphoreum: EC50=520 mg/L/5min. Photobacterium phosphoreum: EC50= 670 mg/L/15min Photobacterium Phosphoreum: EC50 = 670 mg/L/30min	EC50 = 28.9 mg/L/48h

12.2 Persistence and degradability: No further information available.

12.3 Bioaccumulation: No additional information available.

Substance	Log Pow
Chloroform	2

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: No additional information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste from residues / products used: Dispose in accordance with local regulations.
Contaminated packaging: Empty containers should be taken to local recyclers for disposal.

SECTION 14: Transport information

In accordance with the requirements of ADR/ IMDG/ ICAO/ IATA

14.1 VN number

ADR, IMDG, IATA UN1888

14.2 UN proper shipping name

ADR Chloroform

IMDG Chloroform

IATA Chloroform

14.3 Hazard class

ADR

Class 6.1

Label 6.1

IMDG, IATA

Class 6.1

Label 6.1

14.4 Packing group

ADR, IMDG, IATA III

14.5 Environmental hazards

Marine pollutant no

14.6 Special precautions for user

Tunnel restriction code E

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and IBC code

Not applicable.

VN “Model regulation” UN 1888; Chloroform, 6,1 III, (E)

SECTION 15: Regulatory information

15.1 Specific safety, health and environment regulations and legislation of the substance or the mixture.

National regulations:

This mixture contains chloroform and under REACH annex XVII, entry 32, allowed for supply to the general public and / or applications that may release substances such as in surface cleaning and cleaning of fabrics.

15.2 Chemical Safety assessment:

No further relevant information available.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific features and shall not establish a legally valid contractual relationship.

Statement of changes:

1.4	changed
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Relevant phrases:

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H361d Suspected of damaging fertility or the unborn child.

H373 May cause damage to organs.

H411 Toxic to aquatic life with long lasting effects.

Abbreviations

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent.