



Plextol CT 3103

Version 1.2

Revision Date 20.04.2012

Print Date 21.02.2013

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

1.1 Product identifier

Trade name : Plextol CT 3103

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

Use of the Substance/Mixture : Raw material, Industrial use

1.3 Details of the supplier of the safety data sheet

Company : Synthomer B.V.
IJsselstraat 41
5347 KG Oss, NL
Telephone : +31412681700
Telefax : +31412628602
E-mail address : regulatoryaffairs@synthomer.com
Responsible/issuing person : Regulatory Affairs Department

1.4 Emergency telephone number

+44 (0) 1235 239 670

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC)

This mixture is not classified as dangerous according to Directive 1999/45/EC.

2.2 Label elements

Labelling according to EC Directives (1999/45/EC)

In accordance with Directive 1999/45/EC, the product does not need to be classified nor labelled.

2.3 Other hazards

This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). Repeated or prolonged exposure may cause irritation of eyes and skin.

3. Composition/information on ingredients

3.2 Mixtures

Chemical nature : Aqueous solution
Polymer



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Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
No dangerous ingredients according to Regulation (EC) No. 1907/2006 :				
methanol	67-56-1 200-659-6	F; R11 T; R23/24/25 T; R39/23/24/25	Flam. Liq. 2; H225 Acute Tox. 3; H331 Acute Tox. 3; H311 Acute Tox. 3; H301 STOT SE 1; H370	< 0.5

For the full text of the R-phrases mentioned in this Section, see Section 16.
For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

- General advice : Get medical attention if symptoms occur.
- : Show this safety data sheet to the doctor in attendance.
- If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.
- In case of skin contact : Wash off immediately with soap and plenty of water.
- : Remove contaminated clothing. If irritation develops, get medical attention.
- : Wash contaminated clothing before reuse.
- In case of eye contact : Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.
- If swallowed : If accidentally swallowed obtain immediate medical attention.
- : Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Ingestion may provoke the following symptoms:
Nausea
Repeated or prolonged exposure may cause irritation of eyes and skin.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.



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5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : none

5.2 Special hazards arising from the substance or mixture

Combustion products
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

5.3 Advice for firefighters

Use personal protective equipment.
The product itself does not burn.
Prevent fire extinguishing water from contaminating surface water or the ground water system.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.

6.3 Methods and materials for containment and cleaning up

Clean-up methods - large spillage
Prevent further leakage or spillage if safe to do so.
Large spills should be collected mechanically (remove by pumping) for disposal.
Dispose of in accordance with local regulations.
Clean-up methods - small spillage
Prevent further leakage or spillage if safe to do so.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Pick up and transfer to properly labelled containers.
Clean contaminated floors and objects thoroughly while observing environmental regulations.
Dispose of in accordance with local regulations.

6.4 Reference to other sections

For personal protection see section 8.



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7. Handling and storage

7.1 Precautions for safe handling

Wear personal protective equipment.
For personal protection see section 8.
Avoid inhalation, ingestion and contact with skin and eyes.
Do not use in areas without adequate ventilation.
Smoking, eating and drinking should be prohibited in the application area.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container.
Keep in properly labelled containers.
Store between +5°C and +35°C protected from frost and direct sunlight.
Do not freeze.

7.3 Specific end uses

Consult the technical guidelines for the use of this substance/mixture.

8. Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters below limit for consideration

DNEL

methanol

: End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long term, Systemic toxicity
40 mg/kg

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long term, Systemic toxicity
Value: 260 mg/m3

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Short term, Systemic toxicity
40 mg/kg

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Short term, Systemic toxicity
Value: 260 mg/m3

End Use: Workers



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Exposure routes: Inhalation
Potential health effects: Short term, Local effects
Value: 260 mg/m³

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long term, Local effects
Value: 260 mg/m³

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long term, Systemic toxicity
8 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long term, Systemic toxicity
Value: 50 mg/m³

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Short term, Systemic toxicity
8 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Short term, Local effects
Value: 50 mg/m³

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long term, Local effects
Value: 50 mg/m³

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Short term, Systemic toxicity
8 mg/kg

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long term, Systemic toxicity
8 mg/kg

PNEC

methanol

: Fresh water sediment
Value: 570.4 mg/kg

Soil
Value: 23.5 mg/kg



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Impact on Sewage Treatment
Value: 100 mg/l

Fresh water
Value: 154 mg/l

Marine water
Value: 15.4 mg/l

8.2 Exposure controls

Engineering measures

Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapours.
Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

- Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
: When using this product at elevated temperatures, wear a respirator with a vapour filter (see section 8).
- Hand protection : Protective gloves complying with EN 374.
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
- Eye protection : Safety glasses with side-shields conforming to EN166
- Skin and body protection : Wear suitable protective clothing.
: Skin should be washed after contact.
: Remove and wash contaminated clothing before re-use.
- Hygiene measures : Wash hands before breaks and immediately after handling the product.
: When using do not eat, drink or smoke.
- Protective measures : Ensure that eye flushing systems and safety showers are located close to the working place.

Environmental exposure controls

General advice:

The product should not be allowed to enter drains, water courses or the soil.



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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: colourless
Odour	: characteristic
Odour Threshold	: not determined
pH	: 8.5 - 11.5
Melting point/freezing point	: No data available
Boiling point	: No data available
Flash point	: not applicable
Evaporation rate	: No data available
Flammability (solid, gas)	: The product is not flammable.
Vapour pressure	: @ 20°C 23 hPa
Relative density	: 0.9 - 1.1
Water solubility	: soluble
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: not applicable
Viscosity, dynamic	: No information available.
Explosive properties	: not applicable
Oxidizing properties	: not applicable

9.2 Other information

No information available.

10. Stability and reactivity

10.1 Reactivity

Stable

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Protect from frost, heat and sunlight.



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10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

Stable under normal conditions.

11. Toxicological information

Information on toxicological effects

No data is available on the product itself. Information given is based on data on the components and the toxicology of similar products.

Components:

methanol:

- | | |
|-----------------------------------|--|
| Acute oral toxicity | : LD50: > 1,187 mg/kg, rat, Toxic by ingestion |
| Acute inhalation toxicity | : LC50: 130.7 mg/l, 4 h, rat, Toxic by inhalation.
: LC50: 128.2 mg/l, 4 h, rat, Toxic by inhalation.
: LC50: > 115.9 mg/l, 4 h, rat, Toxic by inhalation.
: LC50: 96.2 mg/l, 6 h, rat, Toxic by inhalation.
: LC50: 87.5 mg/l, 6 h, rat, Toxic by inhalation. |
| Acute dermal toxicity | : No data available |
| Skin corrosion/irritation | : Rabbit, No skin irritation |
| Serious eye damage/eye irritation | : Rabbit, No eye irritation |
| Respiratory or skin sensitization | : guinea pig, OECD Test Guideline 406, Does not cause skin sensitization. |
| Genotoxicity in vitro | : OECD Test Guideline 471, In vitro tests did not show mutagenic effects |
| Genotoxicity in vivo | : In vivo tests did not show mutagenic effects |
| Carcinogenicity | : mouse, OECD Test Guideline 453, Not classifiable as a human carcinogen.
: rat, OECD Test Guideline 453, Not classifiable as a human carcinogen. |
| Reproductive toxicity | : rat, Inhalation, No toxicity to reproduction
: mouse, Inhalation, No toxicity to reproduction
: rat, Inhalation, No toxicity to reproduction
: mouse, Inhalation, No toxicity to reproduction |
| Teratogenicity | : No data available |



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- STOT - single exposure : Exposure routes: Ingestion
Target Organs: Eyes
Assessment: Causes damage to organs.
- STOT - repeated exposure : Exposure routes: Inhalation
Target Organs: Liver, Central nervous system, Heart
Assessment: Causes damage to organs through prolonged or repeated exposure.

12. Ecological information

12.1 Toxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : No data is available on the product itself.

Chronic aquatic toxicity : No data is available on the product itself.

Components:

methanol:

Toxicity to fish : LC50: 15,400 mg/l, 96 h, Fish

Toxicity to daphnia and other aquatic invertebrates. : No data available

Toxicity to algae : EC50: 22,000 mg/l, 96 h, OECD Test Guideline 201

Toxicity to bacteria : No data available

Toxicity to fish (Chronic toxicity) : No data available

Toxicity to daphnia and other aquatic invertebrates. (Chronic toxicity) : No data available

12.2 Persistence and degradability

Product:

Biodegradability : Taking into consideration the properties of several components, the product is estimated not to be readily biodegradable according to OECD classification.

Components:



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methanol:

Biodegradability : 82.7 %, According to the results of tests of biodegradability this product is considered as being readily biodegradable.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : No data available
: Bioaccumulation is unlikely.

Components:

methanol:

Bioaccumulation : Bioconcentration factor (BCF): 0.2, Bioaccumulation is unlikely.

12.4 Mobility in soil

Product:

Distribution among environmental compartments : No data available
Physico-chemical removability : Can be eliminated from water by flocculation.

Components:

methanol:

Distribution among environmental compartments : Medium: Soil, No data available, Not expected to adsorb on soil.

12.5 Results of PBT and vPvB assessment

Product:

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

Components:

methanol:

Assessment : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

Product:

This product has no known eco-toxicological effects.



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13. Disposal considerations

13.1 Waste treatment methods

In accordance with local and national regulations.
The product should not be allowed to enter drains, water courses or the soil.
Waste water from subsequent processing should be given appropriate treatment in line with local regulations.

Contaminated packaging : In accordance with local and national regulations.

14. Transport information

14.1 UN number

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

14.2 Proper shipping name

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

14.3 Transport hazard class

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

14.4 Packing group

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

14.5 Environmental hazards

ADR

Not dangerous goods

RID

Not dangerous goods



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IMDG

Not dangerous goods

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

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

not applicable

15. Regulatory information

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

Water contaminating class (Germany) : WGK 1 slightly water endangering
Classification according VwVwS, Annex 4.

Other regulations : This mixture is not classified as dangerous according to Directive 1999/45/EC.
: This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).

15.2 Chemical Safety Assessment

not applicable

16. Other information

Full text of R-phrases referred to under sections 2 and 3.

R11 Highly flammable.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Full text of H-Statements referred to under sections 2 and 3.

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.
H370 Causes damage to organs.

Further information

This data sheet contains changes from the previous version in section(s):

1. Identification of the substance/mixture and of the company/undertaking
2. Hazards identification
3. Composition/information on ingredients
4. First aid measures
5. Fire-fighting measures
6. Accidental release measures



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- 7. Handling and storage
- 8. Exposure controls/personal protection
- 9. Physical and chemical properties
- 10. Stability and reactivity
- 11. Toxicological information
- 12. Ecological information
- 13. Disposal considerations
- 14. Transport information
- 15. Regulatory information
- 16. Other information

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