

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

1.1. Product identifier

Product form : Mixture
Product name : Xantar® C CM 406
Product group : Trade product
Other means of identification : Polycarbonate / ABS polymer

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Polymeric product

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

MEP Europe GmbH
Willstätter Strasse 30
D-40549 Düsseldorf, Germany
Telephone number: +49 211 520 542 0
Fax number: +49 211 520 542 72

Mitsubishi Engineering-Plastics Corp.
Shiodome Sumitomo-Building 25F, 9-2
Higashi-shinbashi 1-Chome, Minato-ku
Tokyo 105-0021, Japan
Environment & Quality Assurance Department:
Telephone number: +81 3 6274 9060
Fax number: +81 3 6274 9085
email: info.safety@mepeu.com

1.4. Emergency telephone number

Emergency number : +31 46 70 22043 / +31 46 70 22044
(business hours GMT+1)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

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

Not classified

Adverse physicochemical, human health and environmental effects

Dust may cause mechanical irritation. Combustible.

2.2. Label elements

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

No labelling applicable

2.3. Other hazards

other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Comments : The components of this product are embedded in an impervious polymer matrix and are therefore not biologically available. Any hazardous constituents are fixed in the polymer matrix and therefore present a negligible exposure risk under normal conditions of processing and handling. Additives contained in this product do not pose a risk to health unless they are

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

liberated during processing (fumes from melting, dusts). Suitable Industrial Hygiene precautions should be implemented to prevent (respirable) dust and fume exposures. Exposure to (melting) fumes should be kept as low as possible, using suitable ventilation equipment. Dusts and fumes created from secondary processing may be irritating to respiratory tract and skin and should be considered as potentially hazardous. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove victim to fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.
First-aid measures after skin contact	: Wash skin with plenty of water. Seek medical advice.
First-aid measures after eye contact	: Seek medical advice.
First-aid measures after ingestion	: Rinse mouth thoroughly with water. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: Risk of thermal burns on contact with molten product.
Symptoms/injuries after ingestion	: Ingestion of small amounts would not be expected to produce toxicity.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO ₂).
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5.2. Special hazards arising from the substance or mixture

Fire hazard	: Combustible. Combustion generates : Carbon dioxide. Carbon monoxide. fumes. Organic compounds. Nitrogen oxides (NO _x). aldehydes. Ammonia. amines. Phosphorus oxides.
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5.3. Advice for firefighters

Firefighting instructions	: Fight fire from safe distance and protected location.
Protective equipment for firefighters	: Wear proper protective equipment. Extra personal protection: complete protective clothing including self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid generation of dust. Keep upwind. Provide adequate ventilation to minimize dust and/or vapour concentrations. Keep away from sources of ignition - No smoking. Avoid static electricity discharges. Take precautionary measures against static discharge. Spilled material may present a slipping hazard. Use personal protective equipment as required.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear suitable protective clothing gloves, and eye/face protection.
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6.1.2. For emergency responders

Protective equipment	: Wear suitable protective clothing, gloves and eye/face protection.
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6.2. Environmental precautions

Avoid discharge to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Sweep up or vacuum up the product. Collect all waste in suitable and labelled containers and dispose according to local legislation. Wash contaminated area with large amounts of water.
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6.4. Reference to other sections

Refer to sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Provide adequate ventilation. Local ventilation at the workplace is recommended. Avoid creating or spreading dust. Take precautionary measures against static discharge. Keep away from open flames, hot surfaces and sources of ignition.
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Hygiene measures : Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin and eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Remove all contaminated clothing and footwear. Wash contaminated clothing prior to re-use. If spilled, may cause the floor to be slippery.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep away from ignition sources (including static discharges). Keep away from incompatible materials. Storage containers should be stacked at a maximum of two high.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Provide adequate ventilation. Local ventilation at the workplace is recommended. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment : Gloves. Protective goggles. Protective clothing.



Hand protection : Use heat-protective gloves when handling product at elevated temperatures.

Eye protection : Wear goggles and face shield when handling material at elevated temperatures.

Skin and body protection : Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : granular. Pellets.

Colour : Transparent to opaque.

odour : No data available

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : 225 - 255 °C

Freezing point : No data available

Boiling point : No data available

Flash point : > 355 °C

Auto-ignition temperature : > 450 °C

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Density : > 1 g/cm³

Solubility : Insoluble in: cold water.

Log Pow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : Not explosive as none of the components is classified as explosive or oxidizing. dust explosive, Dust explosion category: ST 1.

Oxidising properties : None of the components is classified for oxidizing properties.

Explosive limits : No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

At process temperature some degree of thermal decomposition may occur. Carbon oxides (CO, CO₂). Nitrogen oxides (NO_x). Phosphorus oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

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Persistence and degradability	Not biodegradable.
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12.3. Bioaccumulative potential

No additional information available

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

Regional legislation (waste) : This product is not regarded as hazardous waste as defined by the Directive 91/689 EEC.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

No dangerous good in sense of transport regulations

14.2. UN proper shipping name

Not applicable

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14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

No additional information available

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No additional information available

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

CSA has not been established

SECTION 16: Other information

Sources of Key data : Supplier information. Literature data.
Abbreviations and acronyms : ATE - acute toxicity estimate. BCF - bioconcentration factor. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EC - European Community. EEC - European Economic Community. GHS - Globally Harmonised System. MSDS - Material Safety Data Sheet. Overland transport (ADR). PBT - Persistent, Bioaccumulative and Toxic substance. PEL- Permissible Exposure Level. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. Relat - Relative. SDS - Safety Data Sheet . STEL- Short-Term Exposure Limit . TLV- Threshold Limit Value. TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.
Other information : It is the user's responsibility to take the mentioned precautionary measures and to ensure that this information is complete and sufficient for the use of this product. This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS EU (REACH Annex II)

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