

# SAFETY DATA SHEET

## SPHEROMERS® CA

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/ UNDERTAKING

<b>Product name</b>	SPHEROMERS® CA
<b>Synonyms, trade names</b>	CA6, CA10, CA15, CA20, CA30, CA40
<b>Applications</b>	Raw material for coating industries.
<b>Supplier</b>	Microbeads AS Vestvollveien 8A P.O.Box 265, 2021 Skedsmokorset Norway Tel: +47-64 83 53 00 Fax: +47-64 83 53 01
<b>Contact person</b>	Rolf Nordal
<b>Emergency telephones</b>	Information-central: +44 1342 822844

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS No.	Content	Symbol	R-phrases
polymethylmethacrylate	201-297-1	9011-14-7	60-100 %	-	
methyl methacrylate	201-297-1	80-62-6	<0.4 %	Xi ,F	R-11, 43, 37/38

See section 16 for explanations to R-phrases

### 3. HAZARDS IDENTIFICATION

Not regarded as a health, fire, explosion or environmental hazard under current legislation.

### 4. FIRST AID MEASURES

<b>General</b>	Remove victim immediately from source of exposure. General first aid, rest, warmth and fresh air. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse nose, mouth and throat with water. Drink plenty of water. Do not give victim anything to drink if he is unconscious. Get medical attention.
<b>Skin</b>	Wash skin with soap and water.
<b>Eyes</b>	Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media</b>	Water spray, fog or mist. Foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemicals, sand, dolomite etc.
<b>Special fire fighting procedures</b>	Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.
<b>Specific hazards</b>	The dust cloud is considered sensitive with respect to ignition, and adequate precautions must be taken during handling.
<b>Hazardous combustion products</b>	Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).
<b>Protective measures in fire</b>	Wear self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal protection</b>	Wear appropriate personal protective equipment - see Section 8.
<b>Environmental protection</b>	Runoff or release to sewer, waterway or ground is forbidden.
<b>Spill cleanup methods</b>	Limit spread of spilled material. Collect spilled material using mechanical equipment. Flush the area with water. Do not let washing down water contaminate ponds or waterways. Collect and reclaim or dispose in sealed containers in licensed waste. Inform Authorities if large amounts are involved.

## 7. HANDLING AND STORAGE

<b>Usage precautions</b>	Avoid handling which leads to dust formation.
<b>Storage precautions</b>	Keep in cool, dry, ventilated storage and closed containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient name	CAS no.	Reference	LT Exp 8 Hrs	ST Exp 15 Min	Date
methyl methacrylate	80-62-6	WEL.	208 mg/m3	416 mg/m3(Sk)	
<b>Ingredient comments</b>	Exposure limit for total inhalable dust is 10 mg/m3 (8-hour TWA) and for respirable dust 4 mg/m3 ( 8-hour TWA) (2001).				
<b>Protective equipment</b>					



<b>Process conditions</b>	Use engineering controls to reduce air contamination to permissible exposure level. The concentrations of air pollutants shall be kept as far under the given exposure standards as possible. Unnecessary influence of pollutants shall be avoided and the conditions shall be proper. Provide eyewash station.
<b>Ventilation</b>	Well ventilated area.
<b>Respirators</b>	If ventilation is insufficient, suitable respiratory protection must be provided. Dust filter P2 (for fine dust).
<b>Protective gloves</b>	Use protective gloves made of: Rubber or plastic.
<b>Eye protection</b>	Use tight fitting goggles if dust is generated.
<b>Other Protection</b>	Wear appropriate clothing if necessary.
<b>Hygienic work practices</b>	Wash at the end of each work shift and before eating, smoking and using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Powder.		
<b>Colour</b>	White.		
<b>Odour</b>	Odourless or no characteristic odour.		
<b>Solubility description</b>	Insoluble in water.		
<b>Density (g/ml)</b>	1.2	<b>Temperature (°C)</b>	20
<b>Flash point (°C)</b>	> 100	<b>Method</b>	CC (Closed cup).

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Normally stable.
<b>Conditions to avoid</b>	Avoid contact with strong oxidisers.
<b>Hazardous decomp. products</b>	Fire or high temperatures create: Irritating gases/vapour/smoke.

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## 11. TOXICOLOGICAL INFORMATION

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Inhalation	Dust may irritate respiratory system or lungs.
Ingestion	May cause irritation in the mouth and to the mucous membranes.
Skin	Dust may give mechanical irritation.
Eyes	Irritating to eyes.
Medical considerations	Symptomatic treatment.

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## 12. ECOLOGICAL INFORMATION

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Ecological information	It is no environmental data available.
Mobility	Insoluble in water.

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## 13. DISPOSAL CONSIDERATIONS

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Disposal methods	Dispose of at an approved land disposal site in accordance with local authority requirements.
Waste class	Non-hazardous waste.
Contaminated packaging	The product packaging must be disposed of in compliance with the country specific regulations.

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## 14. TRANSPORT INFORMATION

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General	Not classified as dangerous goods according to ADR / RID / IMDG / IATA.
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## 15. REGULATORY INFORMATION

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Contains	polymethylmethacrylate methyl methacrylate
Risk phrases	Not classified.
Safety phrases	Contains methyl methacrylate. May produce an allergic reaction.
EU directives	Substances Directive 67/548/EEC as amended by 69/81/EEC, 70/189/EEC, 73/146/EEC, 75/409/EEC, 79/831/EEC General Preparations Directive 88/379/EEC.
Guidance notes	All the ingredients are listed in TSCA and DSL.

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## 16. OTHER INFORMATION

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Explanations to R-phrases in section 2	R-11 Highly flammable. R-37/38 Irritating to respiratory system and skin. R-43 May cause sensitisation by skin contact.
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### \* Information revised since the previous version of the SDS

User notes:	The synonyms describes the different particlesizes of the product.
Revision comments	Change in the classification of the ingredients, no change in the classification and labelling of the product.
Issued by	Essenticon AS, Leif Weldings vei 14, 3208 Sandefjord, Norway.
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