

MATERIAL SAFETY DATA SHEET

Flortex MC CSG Resin



SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

Product Name: **FLORTEX MC CSG RESIN**
 Company Name: Polycote UK
 Centre Point • Wolseley Road
 Woburn Road Industrial Estate
 Kempston • Beds MK42 7EF
 Telephone Number: 01234 846400

SECTION 2: HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008:
 Flam. Liq. 2 H225 Highly flammable liquid and vapour.
 Skin Irrit. 2 H315 Causes skin irritation.
 Skin Sens. 1 H317 May cause an allergic skin reaction.
 STOT SE 3 H335 May cause respiratory irritation.
 Hazard pictograms:



Signal word: Danger

Hazard-determining components of labelling:

methyl methacrylate
 2-ethylhexyl acrylate
 tetramethylene dimethacrylate

Hazard statements: H225 Highly flammable liquid and vapour.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H335 May cause respiratory irritation.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

PBT: This product is not identified as a PBT/vPvB substance.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	EINECS	CAS No:	Classification	Per Cent
methyl methacrylate	201-297-1	80-62-6	Flam. Liq. 2, H225; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	25 - 50%
2-ethylhexyl acrylate	203-080-7	103-11-7	Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	2.5 - 10%
tetramethylene dimethacrylate	218-218-1	2082-81-7	Skin Sens. 1B, H317	0.5 - 2.5%
1,1'-(p-tolylimino)dipropan-2-ol	254-075-1	38668-48-3	Acute Tox. 3, H301; Aquatic Chronic 3, H412	0.5 - 2.5%

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: FIRST AID MEASURES

Inhalation: Supply fresh air and to be sure call for a doctor.
 In case of unconsciousness place patient stably in side position for transportation.
 Skin contact: Immediately wash with water and soap and rinse thoroughly.
 Eye contact: If symptoms persist, consult a doctor.
 Ingestion: If symptoms persist consult doctor.
Most important symptoms and effects, both acute and delayed
 No further relevant information available.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Foam
 Sand
 CO2, sand, extinguishing powder. Do not use water.
 Unsuitable media: Water with full jet.
 Exposure hazards: Exothermic polymerisation.
 In case of fire, the following can be released:
 Hydrocarbons
 Carbon monoxide and carbon dioxide
 Advice for firefighters: Wear self-contained respiratory protective device.
 Additional information: Cool endangered receptacles with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation. Wear protective clothing. Keep away from ignition sources. Use respiratory protective device against the effects of fumes/dust/aerosol. Keep unprotected persons away.
 Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water.
 Methods for cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

SECTION 7: HANDLING AND STORAGE

Handling: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
 Fire and explosion protection: Keep ignition sources away – Do not smoke. Protect against electrostatic charges. Fumes can combine with air to form an explosive mixture.
 Storage: Store only in the original receptacle. Store in cool, dry conditions in well sealed receptacles. Do not allow to enter sewers/surface or ground water. Store in a cool location. Maximum storage temperature: 25°C
 Specific end use(s): No data available.

Polycote Flortex MC CSG Resin Cont.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingredients with limit values that require monitoring at the workplace:
WEL Short-term value: 416 mg/m³, 100 ppm
Long-term value: 208 mg/m³, 50 ppm

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin.

Respiratory protection: Use the indicated respiratory protection if workplace exposure limits are exceeded.

Recommended filter device for short term use: Filter A.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation (EN 374).

Butyl rubber, BR

Material of gloves:
Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Body protection:

Protective work clothing

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

State: Fluid
Colour: According to product specification
Odour: Characteristic
Melting/freezing point: Undetermined
Initial Boiling point: 100°C
Flash point: 10°C
Ignition temperature: 245°C
Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:
Lower: 2.1 Vol %
Upper: 12.5 Vol %

Vapour pressure 20°C: 38.7 hPa
Density @20°C: 1.2 g/cm³

Solubility in/Miscibility with water at 20°C: Not miscible or difficult to mix.

Viscosity:
Dynamic at 20 °C: 550 mPas
Solids content: 17,0%

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No further relevant information available.
Chemical stability: Keep away from heat and direct sunlight.
Hazardous reactions: Exothermic polymerisation.
Conditions to avoid: No further relevant information available.
Materials to avoid: Reacts with peroxides and other radical forming substances.
Haz. decomp. products: Hydrocarbons
Carbon monoxide and carbon dioxide
Additional information: Do not allow to enter sewers/surface or ground water.
Prevent seepage into sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity:

Based on available data, the classification criteria are not met.

Primary irritant effect:

Skin contact: Causes skin irritation.

Eye contact: Based on available data, the classification criteria are not met.

STOT-single exposure:

May cause respiratory irritation.

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity:

No further relevant information available.

General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal operations: Must be specially treated adhering to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Packaging:

Packaging may be reused or recycled after cleaning.

Packagings that may not be cleansed are to be disposed of in the same manner as the product. Disposal must be made according to official regulations.

Recommended

cleansing agents:

Acetone, ethylacetate

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SECTION 14: TRANSPORT INFORMATION

UN Number: UN1866
 ADR, IMDG, IATA
 UN proper shipping name:
 ADR 1866 RESIN SOLUTION
 IMDG, IATA: RESIN SOLUTION
 Transport hazard class:
 ADR, IMDG, IATA: 3 Flammable liquids.
 Label: 3
 Packing group: II
 Marine pollutant: No
 Special precautions for user: Warning: Flammable liquids.
 Danger code (Kemler): 33
 EMS Number: F-E, S-E
 Stowage Category: B
 Additional Information:
 Limited quantities (LQ): 5L
 Excepted quantities (EQ): Code: E2
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 500 ml
 Transport category: 2
 Tunnel restriction code: D/E
 UN "Model Regulation": UN 1866 RESIN SOLUTION, 3, II

SECTION 15: REGULATORY INFORMATION

Directive 2012/18/EU
 Named dangerous substances - ANNEX I None of the ingredients is listed.
 Seveso category P5c FLAMMABLE LIQUIDS
 Qualifying quantity (tonnes) for the application of lower-tier requirements
 5,000 t
 Qualifying quantity (tonnes) for the application of upper-tier requirements
 50,000 t
 REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
 Waterhazard class: Water hazard class 1 (Self-assessment): slightly
 hazardous for water.
 Chemical safety assessment: A Chemical Safety Assessment has not been
 carried out.

SECTION 16: OTHER INFORMATION

Hazard statements:

H225 Highly flammable liquid and vapour.
 H301 Toxic if swallowed.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H335 May cause respiratory irritation.
 H412 Harmful to aquatic life with long lasting effects.

All the foregoing information should be regarded as being applicable to the uncured mixed product as well as to the individual components. This material may form part of a multi component pack, and is supplied in the correct proportions for that pack. Please check all of the product labels to ensure that the correct components and pack sizes are being used. Select and use appropriate pack sizes to minimise waste and operator exposure, do not split packs. Use in batch order.

The Safety Data above is applicable to the product only as used according to the purposes and methods described on the relevant Technical Data Sheet, available from Polycote UK on request. The information above is based on our present knowledge and is believed to be correct but does not purport to be all inclusive and should only be used as a guide. No warranty is implied with respect to the specification of the product. It is intended to describe the product solely in terms of its safety requirements and relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process.

This data does not constitute the users own assessment of workplace risk as required by other Health and Safety legislation, nor is it a sales specification or indication of suitability for any particular use. The user must satisfy himself as to the suitability of the product for his purpose. No legally valid contractual relationship is established by the above data, and Polycote UK shall not be held liable for any damage resulting from handling or from contact with the above product.

Date of Issue: January 2018

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MATERIAL SAFETY DATA SHEET

Flortex MC CSG – BPO (Hardener)



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SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

Product Name: **FLORTEX MC CSG – BPO (HARDENER)**
 Company Name: Polycote UK
 Centre Point • Wolseley Road
 Woburn Road Industrial Estate
 Kempston • Beds MK42 7EF
 Telephone Number: 01234 846400

SECTION 2: HAZARDS IDENTIFICATION

Regulation (EC) No. 1272/2008 (CLP):

Aquatic Acute 1: Very toxic to aquatic life.
 Eye Irrit. 2: Causes serious eye irritation.
 Org. Perox. B: Heating may cause a fire or explosion.
 Skin Sens. 1: May cause an allergic skin reaction.

Hazard pictograms:



Signal word: Danger
 Hazard statements: H241: Heating may cause a fire or explosion.
 H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation.
 H400: Very toxic to aquatic life.

Precautionary statements:
 None.

Additional information:
 For full text of Hazard/Precautionary statements see section 16.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:

CAS No:	EC No.	Classification
dibenzoyl peroxide benzoyl peroxide		
94-36-0	202-327-6	Org. Perox. B H241; Skin Sens. 1 H317; Eye Irrit. 2 H319

SECTION 4: FIRST AID MEASURES

Inhalation: Treat symptomatically.
 Skin contact: Take off immediately all contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention/ Specific treatment (see Medical Advice on this label).
 Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
 Ingestion: Treat symptomatically.
Most important symptoms and effects, both acute and delayed
 May cause irritation. Allergic contact dermatitis.
 Immediate / special treatment:
 Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.
 Unsuitable media: None.
 Exposure hazards: Heating may cause a fire or explosion. Explosion risk.
 Advice for firefighters: Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems. Wear suitable protective clothing, gloves and eye/face protection.
 Environmental precautions: Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.
 Methods for cleaning up: Sweep up spilled substance and remove to a safe place. Use vacuum equipment for collecting spilt materials, where applicable. Contain spillages with sand, earth or any suitable absorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

SECTION 7: HANDLING AND STORAGE

Handling: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep only in original packaging. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Wash hands and exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray.
 Storage: Store in a well ventilated area. Protect from sunlight. Store separately.
 Specific end use(s):
 A BPO Hardener powder for use with Polycote repair resins and powder systems.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits:

Substance	CAS No	LTEL (8 hr TWA ppm)	LTEL (8hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)
Dibenzoyl peroxide	94-36-0	-	5	-	-

Appropriate engineering controls:
 Provide adequate ventilation, including appropriate local extraction. A washing facility/water for eye and skin cleaning purposes should be present.

Polycote Flortex MC CSG – Hardener Cont.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION – Cont.



Eye protection: Wear eye protection with side protection (EN166).
 Skin protection: Wear protective clothing and gloves: Impervious gloves (EN 374).
 Respiratory protection: Where engineering controls are not fitted or inadequate, wear suitable respiratory protective equipment. A suitable dust mask or dust respirator with filter type P (EN143 or EN405) may be appropriate.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance: Solid
 Colour: White
 Odour: Faint
 Melting/freezing point: Decomposes before melting
 Flammability (solid, gas) Decomposition products may be flammable
 Density (g/ml): 540 kg/m³ at 20°C
 Relative density: 1.895 at 20°C
 Solubility (water) At 20°C insoluble
 (other) Not known
 Decomp Temp. (°C): SADT -60°C (Self accelerating decomposition temperature) is the lowest temperature at which self accelerating decomposition may occur with a substance in the packaging as used in transport. A dangerous self-accelerating decomposition reaction and, under certain circumstances, explosion or fire can be caused by thermal decomposition at and above the SADT. Contact with incompatible substances can cause decomposition below the SADT.
 Oxidising properties: Not classified as oxidising
 Haz. decomp products: Calcium oxide, Phosphorus oxides, Benzoic acid.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: None anticipated.
 Chemical stability: Stable under normal conditions.
 Hazardous reactions: No hazardous reactions known if used for its intended purpose.
 Conditions to avoid: Keep away from heat and direct sunlight.
 Materials to avoid: Not known.
 Haz. decomp. products: No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological effects:
 Acute toxicity – Ingestion:
 LD50: >5,000 mg/kg. Species: Rat.
 Acute toxicity – Skin Contact:
 Slightly irritation.
 Acute toxicity – Inhalation:
 LC50 (Rat): >24.3 mg/l. Exposure time: 4h. Test atmosphere: vapour. Assessment: The substance or mixture has no acute inhalation toxicity. May cause irritation of the mucous membranes.
 Skin corrosion/irritation:
 Product dust may be irritating to skin. May cause an allergic skin reaction. May cause skin irritation.

Serious eye damage/irritation:
 Causes serious eye irritation.
 Skin sensitization data:
 May cause an allergic skin reaction.
 Respiratory sensitization data:
 Thermal decomposition can lead to release of irritating gases and vapours. Product dust may be irritating to the respiratory system.
 Germ cell mutagenicity:
 Not mutagenic.
 Carcinogenicity:
 Not carcinogenic.
 Reproductive toxicity:
 No toxicity to reproduction. Species: Rat, male. Application Route: Oral. General Toxicity – Parent: No observed adverse effect level: 1,000 mg/kg bw/day. Method: OECD Test Guideline 422. Species: Rat, females. Application Route: Oral. General Toxicity – Parent: No observed adverse effect level: 500 mg/kg bw/day. Method: OECD Test Guideline 422.
 STOT – single exposure:
 Exposure routes: Ingestion. The substance or mixture is not classified as specific target organ toxicant, single exposure.
 STOT – repeated exposure: Exposure routes: Ingestion. The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity – Very toxic to aquatic life.
 Toxicity – Aquatic invertebrates:
 EC50: 0.11 mg/l. Exposure time: 48h. Species: Daphnia magna (water flea).
 Toxicity – fish:
 LC50: 0.06 mg/l/ Exposure time: 96h.
 Toxicity – Algae:
 EC50: 0.06 mg/l. Exposure time: 72h. Species: algae.
 Toxicity – Sediment Compartment:
 EC50: 35 mg/l. Species: Bacteria.
 Persistence and Degradation:
 Inherently biodegradable
 Bioaccumulative potential:
 Bioconcentration factor (BCF): 66.6
 Results of PBT and vPvB assessment:
 Not classified as PBT or vPvB.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods:
 Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Normal disposal is via incineration operated by an accredited disposal contractor. Dispose at suitable refuse site.

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Polycote Flortex MC CSG – Hardener Cont.**SECTION 14: TRANSPORT INFORMATION**

UN Number: UN 3077
 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID. N.O.S.

ADR/RID

Classification: 9
 Classification Code: M7
 Special provisions: 274 335 601
 Limited Quantities: 5 kg
 Excepted Quantities: E1
 Emergency Action Code: 2Z
 Mixed Packing Instructions for Packages: P002 IBC08 LP02 R001
 Special Packing Provisions for Packages: PP12 B3
 Mixed Packing Instructions for Packages: MP10
 Packing Instructions for Portable tanks: T1 BK1 BK2
 Special Provisions for Portable tanks: TP33
 Tank Code for Tanks: SGAV LGBV
 Vehicle for Tank Carriage: AT
 ADR Transport Category: 3
 Tunnel Restriction Code: E
 Special Provisions for Carriage - Packages: V13
 Special Provisions for Carriage – Bulk: VV1
 Special Provisions for Carriage - Loading, Unloading and Handling: CV13
 Special Provisions for Carriage - Operation: Not applicable
 ADR HIN: 90

IMDG

Classification: 9
 Special provisions: 274 335 601
 Limited Quantities: 5 kg
 Excepted Quantities: E1
 Mixed Packing Instructions for Packages: P002 IBC08 LP02 R001
 Special Packing Provisions for Packages: PP12 B3
 Packing Instructions for Portable tanks: T1 BK1 BK2
 Special Provisions for Portable tanks: TP33
 IMDG EMS: Not applicable
 Stowage and Handling: Not applicable

ICAO/IATA

Excepted Quantities: E1
 Passenger and Cargo Aircraft Limited Quantities Packing Instructions: Y956
 Passenger and Cargo Aircraft Limited Quantities Max net Qty: 30 kg
 Passenger and Cargo Aircraft Packing Instructions: 956
 Passenger and Cargo Aircraft Max net Qty: 400 kg
 Cargo Aircraft Packing Instructions: 956
 Cargo Aircraft Max net qty: 400 kg
 Special Provisions: A97, A158, A179, A197
 Emergency Response Guidebook (ERG) Code: 9L
 Labels: 9
 Packing Group: III
 Environmental Hazard: Classified as a Marine Pollutant

SECTION 15: REGULATORY INFORMATION**Chemical Safety Assessment**

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

Hazard classification:
 Eye irrit. 2: Serious eye damage/irritation, Category 2.
 Org. Perox. B: Organic peroxide, Category B.
 Skin Sens. 1: Skin sensitization, Category 1.

Hazard Statements:
 H241: Heating may cause a fire or explosion.
 H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation.
 H400: Very toxic to aquatic life.

Precautionary Statements:
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P234: Keep only in original packaging.
 P235: Keep cool.
 P240: Ground and bond container and receiving equipment.
 P240: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264: Wash hands and exposed skin thoroughly after handling.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P362+P364: Take off contaminated clothing and wash it before reuse.
 P370+P380+P375+P378: In case of fire: Evacuate area. Fight fire remotely to the risk of explosion.
 P391: Collect spillage.
 P403: Store in a well-ventilated place.
 P410: Protect from sunlight.
 P420: Store separately.

The Safety Data above is applicable to the product only as used according to the purposes and methods described on the relevant Technical Data Sheet, available from Polycote UK on request.

The information above is based on our present knowledge and is believed to be correct but does not purport to be all inclusive and should only be used as a guide. No warranty is implied with respect to the specification of the product. It is intended to describe the product solely in terms of its safety requirements and relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. This data does not constitute the users own assessment of workplace risk as required by other Health and Safety legislation, nor is it a sales specification or indication of suitability for any particular use. The user must satisfy himself as to the suitability of the product for his purpose. No legally valid contractual relationship is established by the above data, and Polycote UK shall not be held liable for any damage resulting from handling or from contact with the above product.

Date of Issue: March 2018

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MATERIAL SAFETY DATA SHEET

342 05+Col

Flortex MC – Pigment Powder



"maintenance made easy"

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

Product Name: **FLORTEX MC – PIGMENT POWDER**
 Company Name: Polycote UK
 Centre Point • Wolseley Road
 Woburn Road Industrial Estate
 Kempston • Beds MK42 7EF
 Telephone Number: 01234 846400

SECTION 2: HAZARDS IDENTIFICATION

Classification under (EC) No. 1272/2008 (CLP):
 Not classified as dangerous for supply/use.
 Hazard pictograms: None.
 Signal word: None

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	CAS No.	EC No.	Classification
chromium (III) oxide	1308-38-9	215-160-9	Not classified

SECTION 4: FIRST AID MEASURES

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 Skin contact: Wash skin with water.
 Eye contact: Flush eyes with water for at least 15 minutes.
 Ingestion: Wash out mouth with water.
Most important symptoms and effects, both acute and delayed
 None anticipated. Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.
 Unsuitable media: None
 Exposure hazards: None anticipated. Hating may cause decomposition.
 Advice for firefighters: As appropriate for surrounding fire,

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.
 Environmental precautions: Do not release large quantities into the surface water or into drains.
 Methods for cleaning up: Sweep spilled substances into containers if appropriate moisten first to prevent dusting.

SECTION 7: HANDLING AND STORAGE

Handling: Not known.
 Storage: Storage temperature: ambient. Stable under normal conditions.
 Specific end use(s): Powdered pigment for colouring resins and screeds.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits:

Name	CAS No	LTEL (8 hr TWA ppm)	LTEL (8hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)
Chromium (III) compounds (as Cr)	1308-38-9	-	0.5	-	-
Chromium Metal, Inorganic Chromium (II) Compounds and Inorganic Chromium (III) Compounds (insoluble)	1308-38-9	0	2	0	0

Appropriate engineering controls: Ensure adequate ventilation.

Personal protection equipment:



Eye protection: Wear eye protection with side protection (EN166).
 Skin protection: Not normally required.
 Respiratory protection: Normally no personal respiratory protection is necessary.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance: Solid
 Colour: Not known
 Odour: Not known

SECTION 10: STABILITY AND REACTIVITY

Reactivity: None anticipated.
 Chemical stability: Stable under normal conditions.
 Hazardous reactions: No hazardous reactions known if used for its intended purpose.
 Conditions to avoid: None anticipated.
 Materials to avoid: Not known.
 Haz. decomp. products: No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological effects:
 Acute toxicity – Ingestion: Low acute toxicity.
 Acute toxicity – Skin Contact: Low acute toxicity.
 Acute toxicity – Inhalation: Low acute toxicity.
 Skin corrosion/irritation: Non-irritant.
 Serious eye damage/irritation: Non-irritant.
 Skin sensitization data: Not classified.
 Respiratory sensitization data: Not classified.
 Germ cell mutagenicity: There is no evidence of mutagenic potential.
 Carcinogenicity: No evidence of carcinogenicity.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity – Aquatic invertebrates:
Low toxicity to invertebrates.

Toxicity – fish:
Low toxicity to fish.

Toxicity – Algae:
Low toxicity to algae.

Persistence and Degradation:
Not known.

Bioaccumulative potential:
Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods:
No special precautions are required for this product.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

SECTION 15: REGULATORY INFORMATION

No information available.

SECTION 16: OTHER INFORMATION

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