

CERAFLOUR 967

Product code: 00000000000142585

Version 3.0 SDS_APJ_MY

Revision Date 08.03.2023

Print Date 09.08.2023

SECTION 1: Identification of the hazardous chemical and of the supplier**Product identifier**

Product name : CERAFLOUR 967

Recommended use : Wax Additive

Manufacturer or supplier's details

Company : BYK Netherlands BV

Address : Danzigweg 23
7418 EN Deventer

Telephone : +49 281 670-23532

Telefax : +49 281 670-23533

E-mail address : GHS.BYK@altana.com

Emergency telephone number : +60 3 6207 4347 (Malay and English)
+65 3158 1074 (All languages)**SECTION 2: Hazards identification****Classification of the hazardous chemical**

Not a hazardous substance or mixture.

Label elements

Not a hazardous substance or mixture.

Other hazards which do not result in classification

None known.

SECTION 3: Composition and information of the ingredients of the hazardous chemical

Substance / Mixture : Mixture

Chemical nature : Synthetic polymer

Components

Chemical name	CAS-No.	Concentration (% w/w)
n-butyl methacrylate	97-88-1	>= 0.5 -< 1
methyl methacrylate	80-62-6	>= 0.5 -< 1

SECTION 4: First aid measures

General advice : Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

CERAFLOUR 967

Product code: 000000000000142585

Version 3.0 SDS_APJ_MY

Revision Date 08.03.2023

Print Date 09.08.2023

In case of eye contact	:	Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	No information available. No information available.
Notes to physician	:	No information available.

SECTION 5: Firefighting measures**Extinguishing media**

Suitable extinguishing media : Foam
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media : High volume water jet

Physicochemical hazards arising from the chemical

Specific hazards during firefighting : Fire will produce dense black smoke containing hazardous combustion products (see section 10).

Hazardous combustion products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

Special protective equipment and precautions for fire-fighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Specific extinguishing methods : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures : Avoid dust formation.

Environmental precautions : Try to prevent the material from entering drains or water courses.

Methods and materials for : Pick up and arrange disposal without creating dust.

CERAFLOUR 967

Product code: 000000000000142585

Version 3.0 SDS_APJ_MY

Revision Date 08.03.2023

Print Date 09.08.2023

containment and cleaning up : Sweep up and shovel.
Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

Handling

Precautions for safe handling

Advice on protection against fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed.

Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.

Storage

Conditions for safe storage, including any incompatibilities

Conditions for safe storage : Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : Keep away from heat.

Materials to avoid : No materials to be especially mentioned.

Further information on storage stability : Keep in a dry place.
No decomposition if stored and applied as directed.

SECTION 8: Exposure controls and personal protection

Control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
methyl methacrylate	80-62-6	TWA	100 ppm 410 mg/m ³	MY PEL
		TWA	50 ppm	ACGIH
		STEL	100 ppm	ACGIH

Individual protection measures, such as personal protective equipment

Eye/face protection : Safety glasses

Skin protection : Protective suit

Hand protection
Material : Latex gloves

Remarks : Wear suitable gloves.

CERAFLOUR 967

Product code: 000000000000142585

Version 3.0 SDS_APJ_MY

Revision Date 08.03.2023

Print Date 09.08.2023

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hygiene measures : General industrial hygiene practice.

SECTION 9: Physical and chemical properties

- Appearance : powder
- Colour : white
- Odour Threshold : No data available
- pH : insoluble
- Melting point/freezing point : No data available
- Initial boiling point and boiling range : No data available
- Flash point : No data available
- Evaporation rate : No data available
- Flammability (solid, gas) : Combustible Solids
- Upper explosion limit / Upper flammability limit : No data available
- Lower explosion limit / Lower flammability limit : No data available
- Vapour pressure : No data available
- Relative vapour density : No data available
- Relative density : No data available
- Density : 1.11 g/cm³ (20 °C, 1,013 hPa)
- Solubility(ies)
- Water solubility : immiscible
- Solubility in other solvents : No data available
- Partition coefficient: n-octanol/water : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available

CERAFLOUR 967

Product code: 000000000000142585

Version 3.0 SDS_APJ_MY

Revision Date 08.03.2023

Print Date 09.08.2023

Viscosity
Viscosity, dynamic : No data available

SECTION 10: Stability and reactivity

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : Stable under recommended storage conditions.
No hazards to be specially mentioned.
Dust may form explosive mixture in air.

Conditions to avoid : No data available

Incompatible materials : No data available

Hazardous decomposition products : No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

Information on likely routes of exposure : None known.

Acute toxicity**Product:**

Acute oral toxicity : Remarks: No data available

Components:**methyl methacrylate:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 401
GLP: no

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg
Method: OECD Test Guideline 402
GLP: no

Skin corrosion/irritation**Product:**

Remarks : No data available

Components:**methyl methacrylate:**

Species : Rabbit
Method : Draize Test
Result : No skin irritation
GLP : no

CERAFLOUR 967

Product code: 00000000000142585

Version 3.0 SDS_APJ_MY

Revision Date 08.03.2023

Print Date 09.08.2023

Serious eye damage/eye irritation**Product:**

Remarks : No data available

Components:**methyl methacrylate:**

Species : Rabbit
Result : No eye irritation
Method : Draize Test
GLP : no

Respiratory or skin sensitisation**Product:**

Remarks : No data available

Components:**n-butyl methacrylate:**

Species : Guinea pig
Method : OECD Test Guideline 406
Result : Causes sensitisation.
GLP : yes

methyl methacrylate:

Test Type : Mouse Local Lymph Node assay (LLNA)
Exposure routes : Skin contact
Species : Mouse
Method : OECD Test Guideline 429
Result : Causes sensitisation.
GLP : No information available.

Germ cell mutagenicity**Product:**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

Carcinogenicity**Product:**

Remarks : No data available

Reproductive toxicity**Product:**

Effects on fertility : Remarks: No data available

CERAFLOUR 967

Product code: 000000000000142585

Version 3.0 SDS_APJ_MY

Revision Date 08.03.2023

Print Date 09.08.2023

Effects on foetal development : Remarks: No data available

STOT - single exposure**Product:**

Remarks : No data available

STOT - repeated exposure**Product:**

Remarks : No data available

Repeated dose toxicity**Product:**

Remarks : No data available

Aspiration toxicity**Product:**

No data available

Further information**Product:**

Remarks : No data available

SECTION 12: Ecological information**Ecotoxicity****Product:**

Toxicity to fish : Remarks: No data available

Components:**n-butyl methacrylate:**

Toxicity to fish : LC50 (Oryzias latipes (Orange-red killifish)): 5.57 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 25.4 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : NOEC (Selenastrum capricornutum (green algae)): 24.8 mg/l
Exposure time: 72 h

CERAFLOUR 967

Product code: 000000000000142585

Version 3.0 SDS_APJ_MY

Revision Date 08.03.2023

Print Date 09.08.2023

Test Type: Growth inhibition
Method: OECD Test Guideline 201

ErC50 (Selenastrum capricornutum (green algae)): 31.2 mg/l
Exposure time: 72 h
Test Type: Growth inhibition
Method: OECD Test Guideline 201

Toxicity to daphnia and other : NOEC (Daphnia magna (Water flea)): 1.1 mg/l
aquatic invertebrates : End point: Reproduction
(Chronic toxicity) : Exposure time: 21 d
Method: OECD Test Guideline 211

methyl methacrylate:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 79 mg/l
Exposure time: 96 h
Test Type: flow-through test
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 69 mg/l
aquatic invertebrates : Exposure time: 48 h
Test Type: flow-through test
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae/aquatic : (Selenastrum capricornutum): > 110 mg/l
plants : Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: no

Persistence and degradability**Product:**

Biodegradability : Remarks: No data available

Components:**n-butyl methacrylate:**

Biodegradability : Result: Readily biodegradable.
Method: OECD Test Guideline 301C
GLP: yes

methyl methacrylate:

Biodegradability : Result: Readily biodegradable.
Method: OECD Test Guideline 301C
GLP: No information available.

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: No data available

CERAFLOUR 967

Product code: 00000000000142585

Version 3.0 SDS_APJ_MY

Revision Date 08.03.2023

Print Date 09.08.2023

Components:**n-butyl methacrylate:**

Partition coefficient: n-octanol/water : log Pow: 3.03 (25 °C)
Method: OECD Test Guideline 107
GLP: yes

methyl methacrylate:

Partition coefficient: n-octanol/water : log Pow: 1.38 (20 °C)
pH: 7
GLP: No information available.

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological information : No data available

SECTION 13: Disposal information**Disposal methods**

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information**International Regulations****UNRTDG**

UN number : Not applicable
Proper shipping name : Not applicable
Class : Not applicable
Subsidiary risk : Not applicable
Packing group : Not applicable
Labels : Not applicable

IATA-DGR

UN/ID No. : Not applicable
Proper shipping name : Not applicable
Class : Not applicable
Subsidiary risk : Not applicable
Packing group : Not applicable
Labels : Not applicable
Packing instruction (cargo aircraft) : Not applicable
Packing instruction (passenger aircraft) : Not applicable

CERAFLOUR 967

Product code: 00000000000142585

Version 3.0 SDS_APJ_MY

Revision Date 08.03.2023

Print Date 09.08.2023

IMDG-Code

UN number : Not applicable
Proper shipping name : Not applicable
Class : Not applicable
Subsidiary risk : Not applicable
Packing group : Not applicable
Labels : Not applicable
EmS Code : Not applicable
Marine pollutant : Not applicable

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

Not applicable for product as supplied.

Special precautions for user

Not applicable

SECTION 15: Regulatory information**Safety, health, and environmental regulations specific for the hazardous chemical**

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

SECTION 16: Other information

Date format : dd.mm.yyyy

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
MY PEL : Malaysia. Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

ACGIH / TWA : 8-hour, time-weighted average
ACGIH / STEL : Short-term exposure limit
MY PEL / TWA : Eight-hour time-weighted average airborne concentration

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -

CERAFLOUR 967

Product code: 000000000000142585

Version 3.0 SDS_APJ_MY

Revision Date 08.03.2023

Print Date 09.08.2023

International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

MY / EN