

**CERAFLOUR 1051**

Product code: 000000000000134151

Version 2.0 SDS\_APJ\_MY

Revision Date 10.01.2023

Print Date 09.08.2023

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

Product name : CERAFLOUR 1051

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 : Micronized modified polyethylene wax

**Components**

| Chemical name  | CAS-No.   | Concentration (% w/w) |
|----------------|-----------|-----------------------|
| barium sulfate | 7727-43-7 | >= 7 -< 10            |

**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 1051**

Product code: 00000000000134151

Version 2.0 SDS\_APJ\_MY

Revision Date 10.01.2023

Print Date 09.08.2023

---

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

---

**SECTION 5: Firefighting measures****Extinguishing media**

Suitable extinguishing media : Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

**Physicochemical hazards arising from the chemical**

Hazardous combustion products : Carbon oxides

**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 : Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust.  
Sweep up and shovel.  
Keep in suitable, closed containers for disposal.

---

## CERAFLOUR 1051

Product code: 00000000000134151

Version 2.0 SDS\_APJ\_MY

Revision Date 10.01.2023

Print Date 09.08.2023

### 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.

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  |
|----------------|-----------|-------------------------------|--|--------|
| barium sulfate | 7727-43-7 | TWA (particulate)             | 10 mg/m <sup>3</sup>                           | MY PEL |
|                |           | TWA (Inhalable fraction)      | 5 mg/m <sup>3</sup>                            | ACGIH  |

#### Individual protection measures, such as personal protective equipment

Eye/face protection : Safety glasses

Skin protection : Protective suit

Hand protection  
Material : Latex gloves

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.  
Wear suitable gloves.

Respiratory protection : No personal respiratory protective equipment normally required.

**CERAFLOUR 1051**

Product code: 000000000000134151

Version 2.0 SDS\_APJ\_MY

Revision Date 10.01.2023

Print Date 09.08.2023

---

Hygiene measures : General industrial hygiene practice.

---

**SECTION 9: Physical and chemical properties**

Appearance : micropowder

Colour : white

Odour : Wax like

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 : > 230 °C  
Method: derived

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 : 1.06 g/cm<sup>3</sup> (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

**CERAFLOUR 1051**

Product code: 00000000000134151

Version 2.0 SDS\_APJ\_MY

Revision Date 10.01.2023

Print Date 09.08.2023

Decomposition temperature : No data available

## Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Dust explosion class : St2

Minimum ignition energy : 4 mJ  
with inductivity**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 : Dust may form explosive mixture in air.  
Stable under recommended storage conditions.  
No hazards to be specially mentioned.

Conditions to avoid : No data available

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : No hazardous decomposition products are known.

**SECTION 11: Toxicological information**

Information on likely routes of exposure : None known.

**Acute toxicity****Product:**

Acute oral toxicity : Remarks: No data available

**Skin corrosion/irritation****Product:**

Remarks : No data available

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

Remarks : No data available

**Respiratory or skin sensitisation****Product:**

Remarks : No data available

**CERAFLOUR 1051**

Product code: 000000000000134151

Version 2.0 SDS\_APJ\_MY

Revision Date 10.01.2023

Print Date 09.08.2023

**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

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

**CERAFLOUR 1051**

Product code: 000000000000134151

Version 2.0 SDS\_APJ\_MY

Revision Date 10.01.2023

Print Date 09.08.2023

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

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other :  
aquatic invertebrates : Remarks: No data available**Persistence and degradability****Product:**

Biodegradability : Remarks: No data available

**Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: No data available

**Mobility in soil**

No data available

**Other adverse effects****Product:**Additional ecological : No data available  
information**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

## CERAFLOUR 1051

Product code: 00000000000134151

Version 2.0 SDS\_APJ\_MY

Revision Date 10.01.2023

Print Date 09.08.2023

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

### 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  
 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

**CERAFLOUR 1051**

Product code: 000000000000134151

Version 2.0 SDS\_APJ\_MY

Revision Date 10.01.2023

Print Date 09.08.2023

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 - 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