

**POLYONE CORPORATION**

**MATERIAL SAFETY DATA SHEET**

**19888MXBLACK**

Version Number 1.1  
Revision Date 09/13/2004

Page 1 of 7  
Print Date 9/15/2004

**1. PRODUCT AND COMPANY IDENTIFICATION**

**POLYONE CORPORATION**  
**8155 Cobb Center Drive, Kennesaw, GA 30152**

Telephone : Product Stewardship (770) 590-3500 x. 3563  
Emergency telephone number : **CHEMTREC 1-800-424-9300 (24 hrs for spill, leak, fire, exposure or accident).**

Product name : 19888MXBLACK  
Product code : FO00008180  
Chemical Name : Mixture  
CAS-No. : Mixture  
Product Use : Industrial Applications

**2. COMPOSITION/INFORMATION ON REGULATED INGREDIENTS**

Components	CAS-No.	Weight%
1,2-Benzenedicarboxylic acid, butyl phenylmethylester	85-68-7	1- 5
Carbon black	1333-86-4	1- 5
Calcium carbonate	1317-65-3	10- 30

**3. HAZARD IDENTIFICATION**

**EMERGENCY OVERVIEW**

This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions.

**POTENTIAL HEALTH EFFECTS**

**Routes of Exposure:** : Inhalation, Skin contact, Ingestion

**Acute exposure**

Inhalation : Inhalation of airborne droplets may cause irritation of the respiratory tract.  
Ingestion : May be harmful if swallowed.  
Eyes : May cause eye/skin irritation.  
Skin : Experience shows no unusual dermatitis hazard from routine handling.

**Chronic exposure** : Refer to Section 11 for Toxicological Information.

**POLYONE CORPORATION**

**MATERIAL SAFETY DATA SHEET**

**19888MXBLACK**

Version Number 1.1  
Revision Date 09/13/2004

Page 2 of 7  
Print Date 9/15/2004

**Medical Conditions** : None known.  
**Aggravated by Exposure:**

**4. FIRST AID MEASURES**

**Inhalation** : Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. When symptoms persist in all cases of doubt seek medical advice.

**Ingestion** : Do not induce vomiting without medical advice. When symptoms persist in all cases of doubt seek medical advice.

**Eyes** : Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, seek medical attention.

**Skin** : Wash off with soap and plenty of water. If skin irritation persists seek medical attention.

**5. FIRE-FIGHTING MEASURES**

**Flashpoint** : No data available

**Flammable Limits**  
Upper explosion limit : No data available  
Lower explosion limit : No data available

**Autoignition temperature** : Not applicable

**Suitable extinguishing media** : Carbon dioxide blanket, water spray, dry powder, foam

**Special Fire Fighting Procedures** : Full face self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.

**Unusual Fire/Explosion Hazards** : May emit Hydrogen Chloride (HCl) or Carbon Monoxide (CO) under fire conditions. Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), other hazardous materials, and smoke are all possible.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions** : Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.

**Environmental precautions** : The product should not be allowed to enter drains, water courses or the soil. Should not be released into the environment.

**Methods for cleanup** : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Package all material in appropriate container for disposal. Refer to Section 13 of this MSDS for proper disposal methods.

**7. HANDLING AND STORAGE**



**POLYONE CORPORATION**

**MATERIAL SAFETY DATA SHEET**

**19888MXBLACK**

Version Number 1.1  
Revision Date 09/13/2004

Page 4 of 7  
Print Date 9/15/2004

Stability : Stable.

Hazardous Polymerization : Will not occur.

Conditions to avoid : Keep away from oxidizing agents and open flame. To avoid thermal decomposition, do not overheat.

Incompatible Materials : Incompatible with strong acids and oxidizing agents. Avoid contact with acetal homopolymers and acetal copolymers during processing.

Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), hydrogen chloride (HCl), other hazardous materials, and smoke are all possible. Prolonged heating may result in product degradation. As a general rule of thumb, degradation begins to occur after one hour at 177°C (350°F), after 10 minutes at 204°C (400°F), and within 5 minutes at 232°C (450°F).

**11. TOXICOLOGICAL INFORMATION**

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Toxicity Overview

This product contains the following components which in their pure form have the following characteristics:

CAS-No.	Chemical Name	Effect	Target Organ
85-68-7	1,2-Benzenedicarboxylic acid, butyl phenylmethylester	Irritant	Eyes, Skin .
		Systemic effects	Liver, reproductive system .
1333-86-4	Carbon black	Systemic effects	Eyes, Respiratory system .
1317-65-3	Calcium carbonate	Irritant	Eyes, Skin .
		Systemic effects	Eyes, Skin, Respiratory system.

**LC50/LD50**

This product contains the following components which, in their pure form, have the following toxicity data:

CAS-No.	Chemical Name	Route	Value	Species
85-68-7	1,2-Benzenedicarboxylic acid, butyl phenylmethylester	Oral LD50 Dermal LD50	2,330mg/kg >10gm/kg	rat rabbit
1333-86-4	Carbon black	Oral LD50 Dermal LD50	>15,400mg/kg >3gm/kg	rat rabbit

**Additional Health Hazard Information:**

**POLYONE CORPORATION**

**MATERIAL SAFETY DATA SHEET**

**19888MXBLACK**

Version Number 1.1  
 Revision Date 09/13/2004

Page 5 of 7  
 Print Date 9/15/2004

**Carbonblack 1333-86-4 Carcinogenicity:** Many inhalation toxicologists believe that the tumor response observed in the referenced rat studies is species specific and does not correlate to human exposure. However, the IARC evaluation in Monograph Volume 65, issued in April 1996 concluded that, "There is sufficient evidence in experimental animals for the carcinogenicity of carbon black". Based on this evaluation, along with their reevaluation of inadequate evidence of carcinogenicity in humans, IARC's overall evaluation is that "Carbon Black is possibly carcinogenic to humans (Group 2B). The IARC 2B listing only pertains to airborne, unbound carbon black particles of respirable size. Carbon Black has not been listed as a carcinogen by the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA). The National Institute of Occupational Safety and Health (NIOSH) criteria document on carbon black recommends that only carbon black with PAH (polynuclear aromatic hydrocarbon) levels greater than 0.1% be considered suspect carcinogens.

**12. ECOLOGICAL INFORMATION**

Persistence and degradability : Not readily biodegradable.  
 Environmental Toxicity : Environmental toxicity has not been established for this mixture as a whole.  
 Bioaccumulation Potential : No data available  
 Additional advice : No data available

**13. DISPOSAL CONSIDERATIONS**

Product : Where possible recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.  
 Contaminated packaging : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

**14. TRANSPORT INFORMATION**

U.S. DOT Classification : Refert to specific regulation.  
 ICAO/IATA (air) : Refert to specific regulation.  
 IMO/IMDG (maritime) : Refert to specific regulation.

**15. REGULATORY INFORMATION**

US Regulations:  
 OSHA Status : Classified as hazardous based on components.

**POLYONE CORPORATION**

**MATERIAL SAFETY DATA SHEET**

**19888MXBLACK**

Version Number 1.1  
Revision Date 09/13/2004

Page 6 of 7  
Print Date 9/15/2004

TSCA Status : All components of this product are listed on or exempt from the TSCA Inventory.

US EPA CERCLA Hazardous Substances (40 CFR 302)

Chemical Name	CAS-No.	% in Product	RQ for component	RQ for Mixture/Product
1,2-Benzenedicarboxylic acid, butyl phenylmethylester	85-68-7	3.4687	100 lbs	2,883 LB

California Proposition 65 : WARNING! This product contains a chemical known to the State of California to cause cancer., WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

SARA Title III Section 302 Extremely Hazardous Substance

Not applicable

SARA Title III Section 313 Toxic Chemicals:

Not applicable

Canadian Regulations:

National Pollutant Release Inventory (NPRI)

Chemical Name	CAS-No.	Weight%	NPRI ID#
1-Methyl-2-pyrrolidone	872-50-4	0.20	164
1,2-Benzenedicarboxylic acid, butyl phenylmethylester	85-68-7	3.46	37

WHMIS Classification : D2A

WHMIS Ingredient Disclosure List

CAS-No.
1333-86-4
85-68-7

DSL : All components of this product are on the Canadian Domestic Substances List (DSL) or are exempt.

National Inventories:

**POLYONE CORPORATION****MATERIAL SAFETY DATA SHEET****19888MXBLACK**

Version Number 1.1  
Revision Date 09/13/2004

Page 7 of 7  
Print Date 9/15/2004

Australia AICS	:	Not determined
China IECS	:	Not determined
Europe EINECS	:	Listed
Japan ENCS	:	Not determined
Korea KECI	:	Not determined
Philippines PICCS	:	Not determined

**16. OTHER INFORMATION**

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 when used in combination with any other materials and/or in any particular processor or processing conditions.