

# Safety Data Sheet

## MasterEmaco N 425 also GEL PATCH

Revision date : 2012/06/18  
Version: 2.0

Page: 1/7  
(30605610/SDS\_GEN\_CA/EN)

---

### 1. Product and Company Identification

Company

BASF Canada Inc.  
100 Milverton Drive  
Mississauga, ON L5R 4H1, CANADA

24 Hour Emergency Response Information

CANUTEC (reverse charges): (613) 996-6666  
BASF HOTLINE: (800) 454-COPE (2673)

---

### 2. Hazards Identification

Emergency overview

IRRITANT.  
CONTAINS MATERIAL WHICH CAN CAUSE CANCER.  
Irritating to eyes, respiratory system and skin.

State of matter: solid  
Colour: grey  
Odour: mild

Potential health effects

**Acute toxicity:**

Product may present a nuisance dust hazard. Inhalation of dust may cause respiratory tract irritation, coughing and breathing difficulties.

**Irritation / corrosion:**

Irritating to eyes and skin.

**Sensitization:**

Chromate in this product has been reduced. Sensitization due to chromate within stated shelf-life is unlikely.

**Chronic toxicity:**

**Teratogenicity:** The chemical structure does not suggest such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

**Signs and symptoms of overexposure:**

Eye irritation, skin irritation, irritation of the mucous membranes

Potential environmental effects

**Aquatic toxicity:**

# Safety Data Sheet

## MasterEmaco N 425 also GEL PATCH

Revision date : 2012/06/18  
Version: 2.0

Page: 2/7  
(30605610/SDS\_GEN\_CA/EN)

The product gives rise to pH shifts.

### Degradation / environmental fate:

Inorganic product which cannot be eliminated from water by biological purification processes. The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

### 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
14808-60-7	>= 30.0 - <= 60.0 %	crystalline silica
65997-15-1	>= 15.0 - <= 40.0 %	Cement, portland, chemicals
65997-16-2	>= 5.0 - <= 10.0 %	Cement, alumina, chemicals
65997-17-3	>= 3.0 - <= 7.0 %	Glass, oxide, chemicals
69012-64-2	>= 1.0 - <= 5.0 %	Fumes, silica
13397-24-5	>= 0.5 - <= 1.5 %	Gypsum (Ca(SO4).2H2O)

### 4. First-Aid Measures

#### General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

#### If inhaled:

After inhalation of dust. Keep patient calm, remove to fresh air. If difficulties occur: Obtain medical attention.

#### If on skin:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

#### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

#### If swallowed:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

### 5. Fire-Fighting Measures

Flash point:

The substance/product is non-combustible.

Self-ignition temperature:

not self-igniting

#### Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

#### Unsuitable extinguishing media for safety reasons:

water jet

#### Additional information:

Product itself is non-combustible. Only the packaging materials can catch fire. The extinguishing agents normally used are sufficient.

#### Hazards during fire-fighting:

carbon monoxide, carbon dioxide, harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Product is not combustible or explosive.

# Safety Data Sheet

## MasterEmaco N 425 also GEL PATCH

Revision date : 2012/06/18  
Version: 2.0

Page: 3/7  
(30605610/SDS\_GEN\_CA/EN)

---

**Protective equipment for fire-fighting:**

Wear self-contained breathing apparatus and chemical-protective clothing.

**Further information:**

Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. The degree of risk is governed by the burning substance and the fire conditions. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

---

## 6. Accidental release measures

**Personal precautions:**

Avoid dust formation. Avoid contact with skin and eyes. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

**Environmental precautions:**

Do not discharge into drains/surface waters/groundwater.

**Cleanup:**

Avoid raising dust.

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Pick up with suitable appliance and dispose of. Pack in tightly closed containers for disposal.

For residues: Rinse with plenty of water.

---

## 7. Handling and Storage

**Handling****General advice:**

Avoid dust formation. The Cement contained in this product reacts alkaline when in contact with water or humidity. This may cause severe irritation of skin or mucous membranes. The humidity of the skin or mucous membranes is enough for this reaction. Prolonged direct contact to the dry product should be avoided therefore. Avoid inhalation of dusts. Avoid skin contact. Pour downwind and allow as little free fall as possible while emptying bags into equipment. Breathing must be protected when large quantities are decanted without local exhaust ventilation.

**Protection against fire and explosion:**

No special precautions necessary.

**Storage****General advice:**

Containers should be stored tightly sealed in a dry place.

**Storage incompatibility:**

General advice: Segregate from metals. Segregate from acids. Segregate from lyes. Segregate from oxidants. Segregate from foods and animal feeds.

---

## 8. Exposure Controls and Personal Protection

**Components with workplace control parameters**

# Safety Data Sheet

## MasterEmaco N 425 also GEL PATCH

Revision date : 2012/06/18

Page: 4/7

Version: 2.0

(30605610/SDS\_GEN\_CA/EN)

crystalline silica	OSHA	TWA value 2.4 millions of particles per cubic foot of air Respirable ; The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation. TWA value 0.1 mg/m3 Respirable ; The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation. TWA value 0.3 mg/m3 Total dust ; The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.
Cement, portland, chemicals	ACGIH	TWA value 0.025 mg/m3 Respirable fraction ;
	OSHA	PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ;
	ACGIH	TWA value 1 mg/m3 Respirable fraction ; The value is for particulate matter containing no asbestos and <1% crystalline silica.
Glass, oxide, chemicals	ACGIH	TWA value 5 mg/m3 Inhalable fraction ; TWA value 1 fibers/cm <sup>3</sup> Fiber ; TWA value 1 fibers/cm <sup>3</sup> Fiber ; TWA value 0.2 fibers/cm <sup>3</sup> Fiber ;
Gypsum (Ca(SO4).2H2O)	OSHA	PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ;
	ACGIH	TWA value 10 mg/m3 Inhalable fraction ;

### Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L.

### Personal protective equipment

#### Respiratory protection:

Breathing protection if dusts are formed.

#### Hand protection:

Chemical resistant protective gloves, Manufacturer's directions for use should be observed because of great diversity of types.

#### Eye protection:

Tightly fitting safety goggles (chemical goggles).

#### Body protection:

Body protection must be chosen based on level of activity and exposure.

#### General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

## 9. Physical and Chemical Properties

Form:	powder	
Odour:	mild	
Odour threshold:	No data available.	
Colour:	grey	
pH value:	12	( 20 °C)
Melting point:		Unspecified

# Safety Data Sheet

## MasterEmaco N 425 also GEL PATCH

Revision date : 2012/06/18  
Version: 2.0

Page: 5/7  
(30605610/SDS\_GEN\_CA/EN)

Relative density:	2.1	
Bulk density:	1,130 - 1,330 kg/m <sup>3</sup>	
Solubility in water:		slightly soluble
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

---

### 10. Stability and Reactivity

**Conditions to avoid:**

Avoid dust formation. Avoid humidity.

**Substances to avoid:**

strong acids  
strong bases, strong acids

**Hazardous reactions:**

The product is stable if stored and handled as prescribed/indicated.  
Strong bases are formed on the addition of water.

**Decomposition products:**

No hazardous decomposition products if stored and handled as prescribed/indicated.

**Oxidizing properties:**

Based on its structural properties the product is not classified as oxidizing.

---

### 11. Toxicological information

**Irritation / corrosion**

*Information on: Cement, portland, chemicals*

*Assessment of irritating effects:*

*Skin contact causes irritation. May cause severe damage to the eyes.*  
-----

**Repeated dose toxicity**

*Information on: crystalline silica*

*Assessment of repeated dose toxicity:*

*Repeated inhalation exposure may affect certain organs. The substance may cause increase in lung mass and lung tissue changes after repeated inhalation.*

*This product may contain greater than 0.1% crystalline silica. Repeated exposure to high concentrations results in silicosis, a lung disease characterized by coughing, difficult breathing, wheezing, scarring of the lungs, and repeated, non-specific chest illnesses.*  
-----

**Carcinogenicity**

*Information on: crystalline silica*

*The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen.*

*NTP listed carcinogen*

*Information on: Glass, oxide, chemicals*

*IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). NTP listed carcinogen*  
-----

**Experiences in humans:**

# Safety Data Sheet

## MasterEmaco N 425 also GEL PATCH

Revision date : 2012/06/18  
Version: 2.0

Page: 6/7  
(30605610/SDS\_GEN\_CA/EN)

*Information on: crystalline silica  
May cause silicosis.*  
-----

### Other Information:

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

---

## 12. Ecological Information

### Degradability / Persistence Biological / Abiological Degradation

Evaluation:

Experience shows this product to be inert and non-degradable.

### Other adverse effects:

Do not discharge product into the environment without control.

---

## 13. Disposal considerations

### Waste disposal of substance:

Observe national and local legal requirements. Residues should be disposed of in the same manner as the substance/product.

### Container disposal:

Completely emptied packagings can be given for recycling.

---

## 14. Transport Information

### Land transport

TDG

Not classified as a dangerous good under transport regulations

### Sea transport

IMDG

Not classified as a dangerous good under transport regulations

### Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

---

## 15. Regulatory Information

### Federal Regulations

# Safety Data Sheet

## MasterEmaco N 425 also GEL PATCH

Revision date : 2012/06/18  
Version: 2.0

Page: 7/7  
(30605610/SDS\_GEN\_CA/EN)

**Registration status:**  
Chemical DSL, CA released / listed

**WHMIS classification:** D2A: Materials Causing Other Toxic Effects - Very toxic material  
D2B: Materials Causing Other Toxic Effects - Toxic material



**THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.**

### 16. Other Information

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

**MSDS Prepared by:**  
BASF NA Product Regulations  
msds@basf.com  
BASF HOTLINE (800) 454 – COPE (2673)  
MSDS Prepared on: 2012/06/18

END OF DATA SHEET