

**POLYONE CORPORATION****MATERIAL SAFETY DATA SHEET****P7266DNPCM AMERIMAX SAGE**Version Number 1.1  
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Print Date 3/23/2014**1. PRODUCT AND COMPANY IDENTIFICATION****POLYONE CORPORATION**  
8155 Cobb Center Drive, Kennesaw, GA 30152

Telephone : 1 (440) 930-1000 or 1 (866) POLYONE  
Emergency telephone : CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure  
number or accident).

Product name : P7266DNPCM AMERIMAX SAGE  
Product code : FO20024982  
Chemical Name : Mixture  
CAS-No. : Mixture  
Product Use : Industrial Applications

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS-No.	Weight percent
Silica, cristobalite	14464-46-1	0.1 - 1
Naphthalene	91-20-3	0.1 - 1
Chromium (III) oxide	1308-38-9	1 - 5
Titanium dioxide	13463-67-7	10 - 30

**3. HAZARDS 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 and skin irritation.  
Skin : Experience shows no unusual dermatitis hazard from routine handling.

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

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

**4. FIRST AID MEASURES**

- Inhalation** : Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. When symptoms persist or in all cases of doubt seek medical advice.
- Ingestion** : Do not induce vomiting without medical advice. When symptoms persist or 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. FIREFIGHTING MEASURES**

- Flash point** : no data available
- Flammable Limits**
- Upper explosion limit : no data available
  - Lower explosion limit : no data available
- Auto-ignition temperature** : Not applicable
- Suitable extinguishing media** : Carbon dioxide blanket, Water spray, Dry powder, Foam.
- Special Fire Fighting Procedures** : Fullface 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 cleaning up** : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Package all material in appropriate container for disposal.



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**7. HANDLING AND STORAGE**

- Handling : Heat only in areas with appropriate exhaust ventilation. Processing fume condensates may contain combustible or toxic residue. Periodically clean hoods, ducts, and other surfaces to minimize accumulation of these materials.
- Storage : Keep containers dry and tightly closed to avoid moisture absorption and contamination. Store in a cool dry place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- Respiratory protection : No personal respiratory protective equipment normally required.
- Eye/Face Protection : Safety glasses with side-shields
- Hand protection : Protective gloves
- Skin and body protection : Long sleeved clothing
- Additional Protective Measures : Safety shoes
- General Hygiene Considerations : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
- Engineering measures : Heat only in areas with appropriate exhaust ventilation. Provide appropriate exhaust ventilation at machinery.

Exposure limit(s)

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Components	Value	Exposure time	Exposure type	List:	
Chromium (III) oxide	0.5 mg/m3	Recommended exposure limit (REL):	as Cr	NIOSH	
	0.5 mg/m3	PEL:	as Cr	OSHA Z1	
Silica, cristobalite	0.025 mg/m3	Time Weighted Average (TWA):	Respirable fraction.	ACGIH	
	0.05 mg/m3	Time Weighted Average (TWA):	Respirable dust.	OSHA Z1A	
	0.05 mg/m3	Time Weighted Average (TWA):	Respirable.	Z3	
	0.15 mg/m3	Time Weighted Average (TWA):	Total dust.	Z3	
	0.05 mg/m3	Time Weighted Average (TWA):		MX OEL	
Titanium dioxide	10 mg/m3	Time Weighted Average (TWA):		ACGIH	
	15 mg/m3	PEL:	Total dust.	OSHA Z1	
	10 mg/m3	Time Weighted Average (TWA):	Total dust.	OSHA Z1A	
	10 mg/m3	Time Weighted Average (TWA):	as Ti	MX OEL	
	20 mg/m3	Short Term Exposure Limit (STEL):	as Ti	MX OEL	
	Naphthalene	10 ppm	Time Weighted Average (TWA):		ACGIH
		15 ppm	Short Term Exposure Limit (STEL):		ACGIH
10 ppm 50 mg/m3		Recommended exposure limit (REL):		NIOSH	
15 ppm 75 mg/m3		Short Term Exposure Limit (STEL):		NIOSH	
10 ppm 50 mg/m3		PEL:		OSHA Z1	
10 ppm 50 mg/m3		Time Weighted Average (TWA):		OSHA Z1A	
15 ppm 75 mg/m3		Short Term Exposure Limit (STEL):		OSHA Z1A	
10 ppm 50 mg/m3		Time Weighted Average (TWA):		MX OEL	
15 ppm 75 mg/m3		Short Term Exposure Limit (STEL):		MX OEL	
	5 ppm	Time Weighted Average (TWA):		ACGIH NIC	

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	: liquid	Evaporation rate	: Not established
Appearance	: viscous, liquid	Specific Gravity	: Not determined
Colour	: GREEN	Bulk density	: Not applicable

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Odour	: very faint	Vapour pressure	: Not determined
Melting point/range	: not applicable	Vapour density	: Not determined
Boiling Point:	: not applicable	pH	: Not applicable
Water solubility	: immiscible		

**10. STABILITY AND REACTIVITY**

Stability : The product is stable if stored and handled as prescribed.

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
14464-46-1	Silica, cristobalite	Systemic effects	Respiratory system.
		Irritant	Eyes, Skin, Respiratory system.
91-20-3	Naphthalene	Irritant	Eyes.
		Systemic effects	Eyes, Respiratory system, central nervous system (CNS).
		Toxic	Refer to LC50 / LD50 Data on MSDS..
1308-38-9	Chromium (III) oxide	Irritant	Eyes, Skin.
		sensitizer	Skin.
13463-67-7	Titanium dioxide	Systemic effects	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
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91-20-3	Naphthalene	LC50 Oral LD50 Dermal LD50	> 340 mg/m3 490 mg/kg > 20 gm/kg	rat rat rabbit
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**Carcinogenicity**

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

CAS-No.	Chemical Name	OSHA	IARC	NTP
14464-46-1	Silica, cristobalite	no	1	no
91-20-3	Naphthalene	no	2B	no
13463-67-7	Titanium dioxide	no	2B	no

**IARC Carcinogen Classifications:**

- 1 - The component is carcinogenic to humans.
- 2A - The component is probably carcinogenic to humans.
- 2B - The component is possibly carcinogenic to humans.

**NTP Carcinogen Classifications:**

- 1 - The component is known to be a human carcinogen.
- 2 - The component is reasonably anticipated to be a human carcinogen.

**Additional Health Hazard Information:**

**Silica, cristobalite 14464-46-1** This material in its free releasable form may cause respiratory tract irritation. Long-term exposure may cause coughing, chest pain, diminished chest expansion and possibly silicosis, which is a scarring of the lungs.

**Additional Health Hazard Information:**

**Chromium (III) oxide 1308-38-9** The bi- and trivalent forms of chrome have a low order of acute toxicity, but may cause skin sensitization and irritation to the eyes. No effects have been reported for chromium (III) oxide. Chromium (III) compounds are not considered carcinogenic in animals or humans.

**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.

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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 : Refer to specific regulation.  
ICAO/IATA : Refer to specific regulation.  
IMO/IMDG (maritime) : Refer to specific regulation.

**15. REGULATORY INFORMATION**

US Regulations:

OSHA Status : Classified as hazardous based on components.  
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.	RQ for component	RQ for Mixture/Product
Chromium (III) oxide	1308-38-9	010 lbs	467 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

Unless specific chemicals are identified under this section, this product is Not Applicable under this regulation

SARA Title III Section 313 Toxic Chemicals:

Unless specific chemicals are identified under this section, this product is Not Applicable under this regulation

Chemical Name	CAS-No.	Weight percent
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Chemical Name	CAS-No.	Weight percent
CHROMIUM III COMPOUNDS CHROMIUM COMPOUNDS	1308-38-9	1.00 - 5.00
NAPHTHALENE	91-20-3	0.10 - 1.00

Canadian Regulations:

National Pollutant Release Inventory (NPRI)

Chemical Name	CAS-No.	Weight percent	NPRI ID#
Bis (2-ethylhexyl) adipate	103-23-1	1.00 - 5.00	
Chromium (III) oxide	1308-38-9	1.00 - 5.00	
Zinc	7440-66-6	0.10 - 1.00	
Naphthalene	91-20-3	0.10 - 1.00	
1,2,4-Trimethylbenzene	95-63-6	0.10 - 1.00	

WHMIS Classification : D2A

WHMIS Ingredient Disclosure List

CAS-No.
103-23-1
1308-38-9
95-63-6

DSL : All of the components of this product are listed on the Canadian Inventories or are exempt. However, at least one component of this product is on the Canadian Non-Domestic Substances List (NDSL). Quantity use in Canada is restricted by regulations.

National Inventories:

Australia AICS : Not determined  
 China IECS : Not determined  
 Europe EINECS : Not determined  
 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,





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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.