

POLYONE CORPORATION**MATERIAL SAFETY DATA SHEET****DB-34572 HL9 DARK FROST BEIGE**Version Number 1.0
Revision Date 09/09/2013Page 1 of 8
Print Date 9/9/2013**1. PRODUCT AND COMPANY IDENTIFICATION****POLYONE CORPORATION**

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

Product name : DB-34572 HL9 DARK FROST BEIGE
Product code : FO20031936
Chemical Name : Mixture
CAS-No. : Mixture
Product Use :

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight percent
Barium sulfate	7727-43-7	1 - 5
Calcium carbonate	1317-65-3	1 - 5
Silica, amorphous	7631-86-9	1 - 5
Carbon black	1333-86-4	10 - 30
Iron oxide	1309-37-1	10 - 30
Titanium dioxide	13463-67-7	30 - 60

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW****POTENTIAL HEALTH EFFECTS****Routes of Exposure:** :**Acute exposure**Inhalation :
Ingestion :
Eyes :
Skin :**Chronic exposure** : Refer to Section 11 for Toxicological Information.

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Medical Conditions :
Aggravated by Exposure:

4. FIRST AID MEASURES

Inhalation :
Ingestion :
Eyes :
Skin :

5. FIREFIGHTING MEASURES

Flash point :
Flammable Limits :
 Upper explosion limit :
 Lower explosion limit :
Auto-ignition temperature :
Suitable extinguishing media :
Special Fire Fighting :
Procedures :
Unusual Fire/Explosion :
Hazards :

6. ACCIDENTAL RELEASE MEASURES

Personal precautions :
Environmental precautions :
Methods for cleaning up :

7. HANDLING AND STORAGE

Handling :
Storage :

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection :
Eye/Face Protection :
Hand protection :



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Skin and body protection :

Additional Protective Measures :

General Hygiene Considerations :

Engineering measures :

Exposure limit(s)

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Components	Value	Exposure time	Exposure type	List:
Barium sulfate	10 mg/m3	Time Weighted Average (TWA):		ACGIH
	5 mg/m3	Recommended exposure limit (REL):	Respirable.	NIOSH
	10 mg/m3	Recommended exposure limit (REL):	Total	NIOSH
	5 mg/m3	PEL:	Respirable fraction.	OSHA Z1
	15 mg/m3	PEL:	Total dust.	OSHA Z1
	5 mg/m3	Time Weighted Average (TWA):	Respirable fraction.	OSHA Z1A
Calcium carbonate	10 mg/m3	Time Weighted Average (TWA):	Total dust.	OSHA Z1A
	5 mg/m3	PEL:	Respirable fraction.	OSHA Z1
	15 mg/m3	PEL:	Total dust.	OSHA Z1
	10 mg/m3	Time Weighted Average (TWA):		MX OEL
Carbon black	20 mg/m3	Short Term Exposure Limit (STEL):		MX OEL
	3.5 mg/m3	Recommended exposure limit (REL):		NIOSH
	0.1 mg/m3	Recommended exposure limit (REL):		NIOSH
	3.5 mg/m3	PEL:		OSHA Z1
	3.5 mg/m3	Time Weighted Average (TWA):		OSHA Z1A
	3.5 mg/m3	Time Weighted Average (TWA):		MX OEL
Iron oxide	7 mg/m3	Short Term Exposure Limit (STEL):		MX OEL
	3 mg/m3	Time Weighted Average (TWA):	Inhalable fraction.	ACGIH
	10 mg/m3	PEL:	Fume.	OSHA Z1
	5 mg/m3	Time Weighted Average (TWA):	as Fe	MX OEL
	10 mg/m3	Short Term Exposure Limit (STEL):	as Fe	MX OEL
Silica, amorphous	5 mg/m3	Time Weighted Average (TWA):	Respirable fraction.	ACGIH
	6 mg/m3	Recommended exposure limit (REL):		NIOSH
	0.8 mg/m3	Time Weighted Average (TWA):		Z3
	10 mg/m3	Time Weighted Average (TWA):	Inhalable particulate.	MX OEL
Titanium dioxide	3 mg/m3	Time Weighted Average (TWA):	Respirable dust.	MX OEL
	10 mg/m3	Time Weighted Average (TWA):		ACGIH

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	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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Evaporation rate	:
Appearance	:	Specific Gravity	:
Colour	: BROWN	Bulk density	:
Odour	:	Vapour pressure	:
Melting point/range	:	Vapour density	:
Boiling Point:	:	pH	:
Water solubility	:		

10. STABILITY AND REACTIVITY

Stability	:
Hazardous Polymerization	:
Conditions to avoid	:
Incompatible Materials	:
Hazardous decomposition products	:

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
7727-43-7	Barium sulfate	Irritant	Respiratory system.
		Systemic effects	Eyes, Respiratory system.
1317-65-3	Calcium carbonate	Irritant	Eyes, Skin.
		Systemic effects	Eyes, Skin, Respiratory system.
7631-86-9	Silica, amorphous	Irritant	Eyes, Respiratory system.
1333-86-4	Carbon black	Systemic effects	Eyes, Respiratory system.
1309-37-1	Iron oxide	Systemic effects	Respiratory system.
13463-67-7	Titanium dioxide	Systemic effects	Respiratory system.

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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
1333-86-4	Carbon black	Oral LD50	> 15,400 mg/kg	rat
		Dermal LD50	> 3 gm/kg	rabbit

Carcinogenicity

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

CAS-No.	Chemical Name	OSHA	IARC	NTP
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:

Carbon black 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 evaluation 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 :
 Environmental Toxicity :
 Bioaccumulation Potential :
 Additional advice :

13. DISPOSAL CONSIDERATIONS

Product :



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Contaminated packaging :

14. TRANSPORT INFORMATION

U.S. DOT Classification :

ICAO/IATA :

IMO/IMDG (maritime) :

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)

not applicable

California Proposition : Not applicable
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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

Canadian Regulations:

National Pollutant Release Inventory (NPRI)

not applicable

WHMIS Classification : D2A

WHMIS Ingredient Disclosure List

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CAS-No.
1333-86-4
1309-37-1
7631-86-9

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

National Inventories:

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

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 used in combination with any other materials or in any process, unless specified in the text.