

**POLYONE CORPORATION****MATERIAL SAFETY DATA SHEET****60420SSV DEACON BLUE**Version Number 1.2  
Revision Date 03/13/2014Page 1 of 6  
Print Date 3/21/2014**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 : 60420SSV DEACON BLUE  
Product code : FO20024144  
Chemical Name : Mixture  
CAS-No. : Mixture  
Product Use :

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS-No.	Weight percent
Titanium dioxide	13463-67-7	1 - 5
Calcium carbonate	1317-65-3	10 - 30
Calcium carbonate	471-34-1	10 - 30

**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.

**Medical Conditions** :  
**Aggravated by Exposure:**

**4. FIRST AID MEASURES**



**POLYONE CORPORATION**

**MATERIAL SAFETY DATA SHEET**

**60420SSV DEACON BLUE**

Version Number 1.2  
Revision Date 03/13/2014

Page 2 of 6  
Print Date 3/21/2014

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 :  
Skin and body protection :  
Additional Protective :

**POLYONE CORPORATION**

**MATERIAL SAFETY DATA SHEET**

**60420SSV DEACON BLUE**

Version Number 1.2  
 Revision Date 03/13/2014

Page 3 of 6  
 Print Date 3/21/2014

Measures

General Hygiene :  
 Considerations

Engineering measures :

Exposure limit(s)

Components	Value	Exposure time	Exposure type	List:
Calcium carbonate	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
	20 mg/m3	Short Term Exposure Limit (STEL):		MX OEL
	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
	15 mg/m3	Time Weighted Average (TWA):	Total dust.	OSHA Z1A
	10 mg/m3	Time Weighted Average (TWA):		MX OEL
	20 mg/m3	Short Term Exposure Limit (STEL):		MX OEL
	5 mg/m3	Recommended exposure limit (REL):	Respirable.	NIOSH
	10 mg/m3	Recommended exposure limit (REL):	Total	NIOSH
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

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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

**POLYONE CORPORATION**

**MATERIAL SAFETY DATA SHEET**

**60420SSV DEACON BLUE**

Version Number 1.2  
Revision Date 03/13/2014

Page 4 of 6  
Print Date 3/21/2014

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
13463-67-7	Titanium dioxide	Systemic effects	Respiratory system.
1317-65-3	Calcium carbonate	Irritant	Eyes, Skin.
		Systemic effects	Eyes, Skin, Respiratory system.
471-34-1		Irritant	Eyes, Skin.

**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
471-34-1	Calcium carbonate	Oral	6,450	rat
		LD50Oral	mg/kg6,450	mouse
		LD50Oral	mg/kg6,450	
		LD50	mg/kg	

**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.



**POLYONE CORPORATION**

**MATERIAL SAFETY DATA SHEET**

**60420SSV DEACON BLUE**

Version Number 1.2  
Revision Date 03/13/2014

Page 5 of 6  
Print Date 3/21/2014

NTP Carcinogen Classifications:

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

**12. ECOLOGICAL INFORMATION**

Persistence and degradability :  
Environmental Toxicity :  
Bioaccumulation Potential :  
Additional advice :

**13. DISPOSAL CONSIDERATIONS**

Product :  
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 65 : WARNING! This product contains a chemical known to the State of California to cause cancer.

SARA Title III Section 302 Extremely Hazardous Substance

**POLYONE CORPORATION****MATERIAL SAFETY DATA SHEET****60420SSV DEACON BLUE**Version Number 1.2  
Revision Date 03/13/2014Page 6 of 6  
Print Date 3/21/2014

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)

Chemical Name	CAS-No.	Weight percent	NPRI ID#
Phthalocyanine blue	147-14-8	0.10 - 1.00	

WHMIS Classification : D2A

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

National Inventories:

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