

**POLYONE CORPORATION**

**MATERIAL SAFETY DATA SHEET**

**000000457240**

Version Number 1.0  
Revision Date 07/30/2013

Page 1 of 6  
Print Date 7/30/2013

**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 : 000000457240  
Product code : EM10029870  
Chemical Name : Mixture  
CAS-No. : Mixture  
Product Use :

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS-No.	Weight percent
Phosphinic acid, calcium salt (2:1)	7789-79-9	1 - 5
Carbon black	1333-86-4	1 - 5

**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**

**000000457240**

Version Number 1.0  
Revision Date 07/30/2013

Page 2 of 6  
Print Date 7/30/2013

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 :  
Measures

**POLYONE CORPORATION**

**MATERIAL SAFETY DATA SHEET**

**000000457240**

Version Number 1.0  
Revision Date 07/30/2013

Page 3 of 6  
Print Date 7/30/2013

General Hygiene :  
Considerations

Engineering measures :

Exposure limit(s)

Components	Value	Exposure time	Exposure type	List:
Carbon black	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
	7 mg/m3	Short Term Exposure Limit (STEL):		MX OEL
	3 mg/m3	Time Weighted Average (TWA):	Inhalable fraction.	ACGIH

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form :	Evaporation rate :
Appearance :	Specific Gravity :
Colour : BLACK	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**

**POLYONE CORPORATION**

**MATERIAL SAFETY DATA SHEET**

**000000457240**

Version Number 1.0  
Revision Date 07/30/2013

Page 4 of 6  
Print Date 7/30/2013

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
7789-79-9	Phosphinic acid, calcium salt (2:1)	Irritant	Eyes, Respiratory system.
1333-86-4	Carbon black	Systemic effects	Eyes, 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
1333-86-4	Carbon black	Oral LD50	> 15,400 mg/kg	rat
		Dermal LD50	> 3 gm/kg	rabbit

**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 :  
Contaminated packaging :

**14. TRANSPORT INFORMATION**

U.S. DOT Classification :



**POLYONE CORPORATION**

**MATERIAL SAFETY DATA SHEET**

**000000457240**

Version Number 1.0  
Revision Date 07/30/2013

Page 5 of 6  
Print Date 7/30/2013

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  
65

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)

Chemical Name	CAS-No.	Weight percent	NPRI ID#
Zinc	7440-66-6	0.10 - 1.00	

WHMIS Classification : D2A

WHMIS Ingredient Disclosure List

CAS-No.
1333-86-4

**POLYONE CORPORATION**

**MATERIAL SAFETY DATA SHEET**

**000000457240**

Version Number 1.0  
Revision Date 07/30/2013

Page 6 of 6  
Print Date 7/30/2013

DSL : DSL status has not been determined. Quantity use in Canada may be 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, 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.