

MATERIAL SAFETY DATA SHEET

DULL BLUE

Version Number 1.0
Revision Date 09/20/2001

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1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION
33587 Walker Road, Avon Lake, OH 44012

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

Product name : DULL BLUE
 Product code : CC10000792
 Chemical Name : Mixture
 CAS-No. : Mixture
 Product Use :

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Carbon black	1333-86-4	1 - 5
Titanium dioxide	13463-67-7	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

Inhalation :

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Eyes :
Skin :**5. FIRE-FIGHTING MEASURES**Flash point :
Flammable Limits
 Upper explosion limit :
 Lower explosion limit :
Autoignition 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

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General Hygiene :
Considerations

Engineering measures :

Exposure limit(s)

Components	Value	Exposure time	Exposure type	List:
Carbon black	3.5 mg/m3	Time Weighted Average (TWA):		ACGIH
	3.5 mg/m3	PEL:		OSHA Z1
Titanium dioxide	10 mg/m3	Time Weighted Average (TWA):		ACGIH
	15 mg/m3	PEL:	Total dust.	OSHA Z1

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Evaporation rate	:
Appearance	:	Specific Gravity	:
Color	: BLUE	Bulk density	:
Odor	:	Vapor pressure	:
Melting point/range	:	Vapor 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
1333-86-4	Carbon black	Systemic effects	Eyes, Respiratory system, heart or circulatory system.

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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 Dermal LD50	> 15,400 mg/kg > 3 gm/kg	rat 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
1333-86-4	Carbon black	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). 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. D.O.T. / CA T.D.G. Classification (Non-bulk ground) :

ICAO/IATA :

IMO / IMDG :

15. REGULATORY INFORMATION

US Regulations:

OSHA Status : Classified as hazardous

TSCA Status : All components of this product are listed on the TSCA inventory or are exempt.

California Proposition 65 : This product does not contain a substance listed by California Prop 65.

Canadian Regulations:

WHMIS Classification : D2B

WHMIS Ingredient Disclosure List

CAS-No.
1333-86-4

DSL : Listed.

National Inventories:

Australia AICS : Listed.

China IECS : Listed.

Europe EINECS : Not Listed.

Japan ENCS : Listed.

Korea KECI : Listed.

Philippines PICCS : Listed.

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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.