

MATERIAL SAFETY DATA SHEET

F488 BLACK FOAM

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1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION 2700 Papin Street, St. Louis, MO 63103

NON-EMERGENCY TELEPHONE	:	Product Stewardship, (314) 771-1800
Emergency telephone number	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).
Product name	:	F488 BLACK FOAM
Product code	:	FO00004473
Chemical Name	:	Mixture
CAS-No.	:	Mixture
Product Use	:	Industrial Applications

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Components	CAS-No.	Weight %
Carbon black	1333-86-4	0.1 - 1

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/skin irritation.
Skin	: Experience shows no unusual dermatitis hazard from routine handling.
Chronic exposure	: Refer to Section 11 for Toxicological Information.
Medical Conditions Aggravated by Exposure:	: None known.



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	ac	cumulation of these materia	ls.		
Storage		eep containers dry and tightl ad contamination. Store in a		absorption	
8. I	EXPOSURE	CONTROLS / PERSONAI	L PROTECTION		
Respiratory protection	: U	nder normal handling condit	ions a respirator is not req	uired.	
Eye/Face Protection	: Sa	afety glasses with side-shield	ls.		
Hand protection	: P1	rotective gloves.			
Skin and body protection	: L	ong sleeved clothing.			
Additional Protective Measures	: Sa	: 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		eat only in areas with approp ppropriate exhaust ventilation		Provide	
Exposure limit(s) Components	Value	Exposure time	Exposure type	List:	
Carbon black	3.5 mg/m3	Time Weighted Average (TWA):	Total dust. as carbon black	ACGIH	
Carbon black	3.5 mg/m3	PEL:	Total dust. as carbon black	OSHA ZI	
	9. PHYSIC	CAL AND CHEMICAL PR	OPERTIES		
Form	: Liqui	d Evap	oration rate : Not	established	
Appearance	: Visco	bus, Liquid Spec	ific Gravity : Not	determined	
Color	: BLA			applicable.	
<u></u>	: Very		1	determined	
Odor			or density : Not	determined	
Melting point/range			•	1	
Melting point/range Boiling Point:	: Not a	pplicable pH	•	applicable.	
Melting point/range		pplicable pH	•	applicable.	
Melting point/range Boiling Point:	: Not a : Immi	pplicable pH	: Not	applicable.	
Melting point/range Boiling Point:	: Not a : Immi 10. S	pplicable pH scible	: Not	applicable.	
Melting point/range Boiling Point: Water solubility Stability	: Not a : Immi 10. S : St	pplicable pH scible TABILITY AND REACTI	: Not	applicable.	
Melting point/range Boiling Point: Water solubility	: Not a : Immi 10. S : St n : W	applicable pH socible TABILITY AND REACTI table.	: Not		



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		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 (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), 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
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

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:



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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	: 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.
Contaminated packaging	: Recycling is preferred when possible. The generator of waste materia 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. D.O.T. / CA T.D.G. Classification (Non-bulk ground)	: Not regulated for transportation.
ICAO/IATA	: Not regulated for transportation.
IMO / IMDG	: Not regulated for transportation.
	15. REGULATORY INFORMATION
US Regulations:	
OSHA Status	: Classified as hazardous based on components.

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TSCA Status :	All components of this product are listed on the TSCA inventory or are exempt.
US. EPA CERCLA Hazardous Sub	ostances (40 CFR 302)
Not applicable	
California Proposition : 65	WARNING! This product contains a chemical known in the State of California to cause cancer.
Canadian Regulations:	
WHMIS Classification :	D2A
WHMIS Ingredient Disclose	ure List
CAS-No. 128-37-0 1333-86-4 557-05-1 75-01-4	
DSL :	Listed.
National Inventories:	
Australia AICS :	Listed.
China IECS :	Not determined.
Europe EINECS :	Not determined.
Japan ENCS :	Not determined.
Korea KECI :	Listed.
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.

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