

MATERIAL SAFETY DATA SHEET

### FB448 BLACK

Version Number 1.0 Revision Date 11/20/2003

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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	:	FB448 BLACK
Product code	:	FO20006877
Chemical Name	:	Mixture
CAS-No.	:	Mixture
Product Use	:	Industrial Applications

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

There are no known hazardous components above regulatory thresholds in this product.

#### **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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	4. FIRST AID MEASURES
Inhalation	: Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. When symptoms persist or in all cases of doubt seek medical advice.
Ingestion	: Do not induce vomiting without medical advice. When symptoms persist or in all cases of doubt seek medical advice.
Eyes	: Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, seek medical attention.
Skin	: Wash off with soap and plenty of water. If skin irritation persists seel medical attention.
	5. FIRE-FIGHTING MEASURES
Flash point	: No data available
Flammable Limits Upper explosion limit Lower explosion limit Autoignition temperature Suitable extinguishing media Special Fire Fighting Procedures Unusual Fire/Explosion Hazards	<ul> <li>No data available</li> <li>No data available</li> <li>Not applicable</li> <li>Carbon dioxide blanket, water spray, dry powder, foamnone.</li> <li>Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.</li> <li>May emit Hydrogen Chloride (HCl) or Carbon Monoxide (CO) under fire conditions. Carbon dioxide (CO2), carbon monoxide (CO), oxide of nitrogen (NOx), other hazardous materials, and smoke are all possible.</li> </ul>
	6. ACCIDENTAL RELEASE MEASURES
Personal precautions	: Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.
Environmental precautions	: The product should not be allowed to enter drains, water courses or the soil. Should not be released into the environment.
Methods for cleaning up	: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder universal binder, sawdust). Package all material in appropriate container for disposal. Refer to Section 13 of this MSDS for proper disposal methods.
	7. HANDLING AND STORAGE
Handling	: Heat only in areas with appropriate exhaust ventilation. Processing



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	fume condensates may contain combustible or toxic residue. Periodically clean hoods, ducts, and other surfaces to minimize accumulation of these materials.
Storage	: Keep containers dry and tightly closed to avoid moisture absorption and contamination. Store in a cool dry place.
8. EXP	OSURE CONTROLS / PERSONAL PROTECTION
Respiratory protection	: Under normal handling conditions a respirator may not be required.
Eye/Face Protection	: Safety glasses with side-shields.
Hand protection	: Protective gloves.
Skin and body protection	: Long sleeved clothing.
Additional Protective Measures	: 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	: Heat only in areas with appropriate exhaust ventilation. Provide appropriate exhaust ventilation at machinery.
Exposure limit(s)	
There are no known hazardou	s components above regulatory thresholds in this product.
9.	PHYSICAL AND CHEMICAL PROPERTIES
Form Appearance Color Odor Melting point/range Boiling Point: Water solubility	: liquidEvaporation rate: Not established: Viscous, liquidSpecific Gravity: Not determined: BLACKBulk density: Not applicable: Very faintVapor pressure: Not determined: Not applicableVapour density: Not determined: Not applicablepH: Not applicable: Immiscible::
	10. STABILITY AND REACTIVITY
Stability	: Stable.
Hazardous Polymerization	: Will not occur.
Conditions to avoid	: Keep away from oxidizing agents and open flame. To avoid thermal decomposition, do not overheat.

Incompatible Materials

: Incompatible with strong acids and oxidizing agents. Avoid contact



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ision Date 11/20/2003       Print Date 11/12/2         with acetal homopolymers and acetal copolymers during processing.         Hazardous decomposition products       : Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), hydrogen chloride (HCI), 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).         Intere are no known hazardous components above regulatory thresholds in this product.         Image: Protocol Col Col Col Col Col Col Col Col Col C		
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ICAO/IATA (air) : Refer to specific regulation. IMO / IMDG (maritime) : Refer to specific regulation. IS. REGULATORY INFORMATION US Regulations:		14. TRANSPORT INFORMATION
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US Regulations:	IMO / IMDG (maritime)	: Refer to specific regulation.
		15. REGULATORY INFORMATION
OSHA Status : There are no known hazardous components above regulatory	US Regulations:	
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POLYONE CORPORATION
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		thresholds in this pro-	duct.		
TSCA Status	:	All components of th Inventory.	is product are listed	l on or exemp	ot from the TSC
US. EPA CERCLA Hazardous S	Sub	stances (40 CFR 302)			
Not applicable					
California Proposition 65	:	WARNING! This pr California to cause ca		emical know	n to the State o
SARA Title III Section 302 Extr	rem	ely Hazardous Substan	ce		
Not applicable					
SARA Title III Section 313 Tox	ic (	Chemicals:			
National Pollutant Releas Chemical Name Misc00005- Misc Zinc Cpc		nventory (NPRI)	CAS-No. Not Available	Weight % 0.18	NPRI ID# 241
I					
	:	Not controlled.			
	:	Not controlled. All components of th Substances List (DSI	his product are on t	he Canadian	Domestic
WHMIS Classification	:	All components of th	his product are on t	he Canadian	Domestic
WHMIS Classification DSL	:	All components of th	his product are on t	he Canadian	Domestic
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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 when used in combination with any other materials and/or in any particular process or processing conditions.