

PHILLYCLAD 200 BLACK AGGREGATE

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical family Inorganic particulate mixture

General information: This information applies to the aggregate mixture sold with resin and hardener. After mixing, handle uncured material as for the hardener. After curing, this product is not hazardous.

MANUFACTURER

ITW Philadelphia Resins
130 Commerce Dr.
Montgomeryville, PA 18936

EMERGENCY INFORMATION

Emergency telephone number
(CHEMTREC) (800) 424-9300
Other calls: (215) 855-8450

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS CONSTITUENTS			Exposure limits			
Constituent	Abbr.	CAS No.	Weight percent	ACGIH TLV	OSHA PEL	Other Limits
Iron Aluminum Silicate		12415348	>75	n/e	n/e	n/e
Carbon black		1333864	< 1	3.5 mg/m ³	3.5 mg/m ³	n/e
Calcium carbonate		471341	10-20	10 mg/m ³	n/e	n/e

"TLV" means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) as established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA Permissible Exposure Limit. "n/e" indicates that no exposure limit has been established. An asterisk (*) indicates a substance whose identity is a trade secret of our supplier and unknown to us.

3. HAZARDS IDENTIFICATION**Emergency Overview**

Appearance, physical form, odor: Pigmented sand with no odor.

CAUTION! Respiratory irritant. Avoid breathing dusts. Remove to fresh air if breathing becomes difficult.

Potential health effects:**Primary routes of exposure:**

Skin contact Skin absorption Eye contact Inhalation Ingestion

Symptoms of acute overexposure:**Skin:**

Abrasive, but not otherwise hazardous on skin contact

Eyes:

Mechanical irritant

Inhalation:

Irritant. (Inhalation is unlikely, since the aggregate is slightly wetted with a coupling agent which inhibits dusting.)

Ingestion:

No data

Effects of chronic overexposure:

This product contains less than 1% of carbon black. IARC classifies carbon black as a suspect human carcinogen based on animal studies.

Medical conditions which may be aggravated by exposure:

None reported

Carcinogenicity -- OSHA regulated: No **ACGIH:** No **National Toxicology Program:** No

International Agency for Research on Cancer: Yes

Cancer-suspect constituent(s): Respirable carbon black

Other effects:**4. FIRST AID MEASURES****First aid for eyes:**

Avoid rubbing particles into the eyes. Flush with a gentle flow of clean water. Contact a physician if irritation persists.

First aid for skin:

No first aid needed for simple skin contact. If particles are driven into skin, wash thoroughly and bandage if needed.

First aid for inhalation:

Remove patient to fresh air. Administer oxygen if breathing is difficult. Get medical attention if symptoms are serious or persistent.

First aid for ingestion:

Consult a physician.

5. FIRE FIGHTING MEASURES**Extinguishing media:**

Water Carbon dioxide Dry chemical Foam Alcohol foam

Flash Point (°F): None

Method: not applicable

Explosive limits in air -- Lower: none

Upper: none

Special firefighting procedures:

Does not support combustion with oxygen.

Unusual fire and explosion hazards:

None

Hazardous products of combustion:

None

6. ACCIDENTAL RELEASE MEASURES**Spill control:**

Avoid inhalation of dusts if any are raised.

Containment:

N/A

Cleanup:

Shovel or sweep up for re-use or disposal.

Special procedures:

N/A

7. HANDLING AND STORAGE**Handling precautions:**

Avoid creating and inhaling dusts of this product.

Storage precautions:

Store in closed containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering controls****Ventilation:**

Mechanical ventilation as required to keep dust concentration below the TLV.

Other engineering controls:

None

Personal protective equipment**Eye and face protection:**

Safety glasses with side shields.

Skin Protection:

Long-sleeved clothing.

Respiratory protection:

Should dust be raised in handling (unlikely), wear NIOSH-approved dust respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific gravity:	2.57	Boiling point (°F):	4226
Melting point (°F):	3110	Vapor density (air = 1):	No vapor
Vapor pressure (mmHg):	Nil	Evaporation rate (butyl acetate = 1):	Nil
	at 78 °F	Solubility in water:	Nil
VOC (grams/liter):	0	pH (5% solution or slurry in water):	Neutral
Percent volatile by volume:	0		
Percent solids by weight:	100		0

10. STABILITY AND REACTIVITY

This product is chemically stable.

Hazardous polymerization will not occur.

Conditions to avoid:

None

Incompatible materials:

Extremely powerful oxidizers (e.g. fluorine, oxygen difluoride, manganese trioxide, chlorine trifluoride)

Hazardous decomposition products:

None

Conditions of hazardous polymerization:

None

11. TOXICOLOGICAL INFORMATION**Acute oral effects:**

LD50 (rat): No data

No data available.

Acute dermal effects

LD50 (rabbit): No data

No data available.

Acute inhalation effects:

LC50 (rat): No data in 0 hours

Carbon black (1 hr, rat) LC50=27,000 mg/m³**Eye irritation:**

No data available.

Subchronic effects

No data available.

Chronic effects

No data available.

Carcinogenicity, teratogenicity, and mutagenicity:

Carbon black has been shown to have In Vivo mutagenic effects on a rat lung cells.

Toxicological information on hazardous chemical constituents of this product:

Constituent	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat, 4 hours)
Iron Aluminum Silicate	n/d	n/d	n/d
Carbon black	n/d	n/d	6750 mg/m ³
Calcium carbonate	6450 mg/kg	n/d	n/d

12. ECOLOGICAL INFORMATION**Ecotoxicity:**

No data available.

Mobility and persistence:

No data available.

Environmental fate:

No data available.

13. DISPOSAL CONSIDERATIONS**Waste management recommendations:**

The aggregate may be discarded in landfills as nonhazardous waste.

14. TRANSPORT INFORMATION**Proper shipping name:** Non-regulated**Technical name:****Hazard class:** N/A**UN number:** N/A**Packing group:** N/A**IMDG Page no.:** N/A**Emergency Response Guide no.:** N/A**Other:**

15. REGULATORY INFORMATION**U.S. Federal Regulations****TSCA:**

All ingredients of this product are listed, or are exempt from listing, on the TSCA Inventory.

The following RCRA code(s) applies to this material if it becomes waste: None

Regulatory status of hazardous chemical constituents of this product:

Constituent	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	TSCA 12B Export Notification
Iron Aluminum Silicate	No	No	No	Not required
Carbon black	No	No	No	Not required
Calcium carbonate	No	No	No	Not required

*Consult the appropriate regulations for emergency planning and release reporting requirements for substances on the SARA Section 301 Extremely Hazardous Substances list.

**Substances for which the "Toxic Chemical" column is marked "Yes" are on the SARA Section 313 list of Toxic Chemicals, for which release reporting may be required. Consult the appropriate regulations for specific requirements.

Classification of this material for SARA Section 312 hazardous materials inventory reporting:

Delayed health hazard

Canadian regulations

WHMIS hazard class(es): D2B; D2A

All components of this product are on the Domestic Substances List.

16. OTHER INFORMATION

Hazardous Materials Information System (HMIS) ratings:		
Health	Flammability	Reactivity
1*	0	0

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