

**PHILLYCLAD 200 HAZE GRAY AGGREGATE**

Last revised: 05/09/01

Printed: 09/19/01

***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
Carbon black		1333864	< 1	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>	n/e
Titanium dioxide		13463677	1-5	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	10 (Canada)
Calcium carbonate		471341	10-20	10 mg/m <sup>3</sup>	n/e	n/e
Glass Oxide		65997173	>70	n/e	n/e	n/e
Amorphous silica		7631869		10 mg/m <sup>3</sup>	6 mg/m <sup>3</sup>	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**

<b>Specific gravity:</b>	2.57	<b>Boiling point (°F):</b>	4226
<b>Melting point (°F):</b>	3110	<b>Vapor density (air = 1):</b>	No vapor
<b>Vapor pressure (mmHg):</b>	Nil	at 78 °F	<b>Evaporation rate (butyl acetate = 1):</b> Nil
<b>VOC (grams/liter):</b>	0	<b>Solubility in water:</b>	Nil
<b>Percent volatile by volume:</b>	0	<b>pH (5% solution or slurry in water):</b>	Neutral
<b>Percent solids by weight:</b>	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/m<sup>3</sup>**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)
Carbon black	n/d	n/d	6750 mg/m <sup>3</sup>
Titanium dioxide	n/d	n/d	n/d
Calcium carbonate	6450 mg/kg	n/d	n/d
Glass Oxide	n/d	n/d	n/d
Amorphous silica	n/d	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
Carbon black	No	No	No	Not required
Titanium dioxide	No	No	No	Not required
Calcium carbonate	No	No	No	Not required
Glass Oxide	No	No	No	Not required
Amorphous silica	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:		
<b>Health</b>	<b>Flammability</b>	<b>Reactivity</b>
<b>1*</b>	<b>0</b>	<b>0</b>

The information and recommendations in this document are based on the best information available to us at the time of preparation, but we make no other warranty, express or implied, as to its correctness or completeness, or as to the results of reliance on this document.