



## WEST & SENIOR LIMITED

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### SAFETY DATA SHEET LEAD-BASED POLYESTER PIGMENT PASTES

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1. Product identifier

Product name LEAD-BASED POLYESTER PIGMENT PASTES  
Product No. VARIOUS PY LEAD

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses COLOURING OF POLYESTER RESINS & GELCOATS.

##### 1.3. Details of the supplier of the safety data sheet

Supplier WEST AND SENIOR LIMITED  
MILLTOWN STREET  
RADCLIFFE  
MANCHESTER. M26 1WE.  
+ 44 01617247131  
+ 44 01617249519  
info@westsenior.co.uk

##### 1.4. Emergency telephone number

24 HOUR EMERGENCY TELEPHONE NUMBER : + 44 (0) 7775 840728

#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Carc. Cat. 2;R45, Repr. Cat. 1;R61. Repr. Cat. 3;R62. N;R50/53. R33.

Human health

Contains lead which can accumulate in the body. Lead is absorbed into the body through inhalation of spray mist or by ingestion.

Environment

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

##### 2.2. Label elements

Contains C.I.PIGMENT RED 104 (C.I. 77605)  
C.I.PIGMENT YELLOW 34 (C.I. 77603)

Labelling



Toxic



Dangerous for the environment

Risk Phrases

R33	Danger of cumulative effects.
R45	May cause cancer.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R61	May cause harm to the unborn child.
R62	Possible risk of impaired fertility.

**LEAD-BASED POLYESTER PIGMENT PASTES**

## Safety Phrases

S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S53	Avoid exposure - obtain special instructions before use.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S57	Use appropriate containment to avoid environmental contamination.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
P1	Contains lead. Should not be used on surfaces that are liable to be chewed or sucked by children.
P11	Restricted to professional users.

**2.3. Other hazards**

No information available.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

C.I.PIGMENT YELLOW 34 (C.I. 77603)			0 - 100%
CAS-No.: 1344-37-2	EC No.: 215-693-7	Registration Number: 01-2119502446-46-0003	
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Carc. 1B - H350		Carc. Cat. 2;R45	
Repr. 1A - H360Df		Repr. Cat. 1;R61	
STOT RE 2 - H373		Repr. Cat. 3;R62	
Aquatic Acute 1 - H400		R33	
Aquatic Chronic 1 - H410		N;R50/53	

C.I.PIGMENT RED 104 (C.I. 77605)			0 - 100%
CAS-No.: 12656-85-8	EC No.: 235-759-9	Registration Number: 01-2119491303-42-0003	
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Carc. 1B - H350		Carc. Cat. 2;R45	
Repr. 1A - H360Df		Repr. Cat. 1;R61	
STOT RE 2 - H373		Repr. Cat. 3;R62	
Aquatic Acute 1 - H400		R33	
Aquatic Chronic 1 - H410		N;R50/53	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## Composition Comments

One or both C.I. Pigments may appear in the product

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures**

## LEAD-BASED POLYESTER PIGMENT PASTES

### Inhalation

Remove victim immediately from source of exposure. Keep the affected person warm and at rest. Get prompt medical attention.

### Ingestion

Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Get medical attention immediately! Consult a physician for specific advice.

### Skin contact

Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if any discomfort continues.

### Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention promptly if symptoms occur after washing.

### **4.2. Most important symptoms and effects, both acute and delayed**

#### General information

Get medical attention immediately!

### **4.3. Indication of any immediate medical attention and special treatment needed**

Treatment : The presence of lead in the body can be detected by determining the amount of this substance in the body and/or urine.

## SECTION 5: FIREFIGHTING MEASURES

### **5.1. Extinguishing media**

#### Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

### **5.2. Special hazards arising from the substance or mixture**

#### Hazardous combustion products

Lead. Chromium. Antimony.

#### Unusual Fire & Explosion Hazards

Fire causes formation of toxic gases.

#### Specific hazards

Fire or high temperatures create: Toxic gases/vapours/fumes of: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Oxides of: Lead and Chromium

### **5.3. Advice for firefighters**

#### Special Fire Fighting Procedures

Use special protective clothing. Regular protection may not be safe. Avoid breathing fire vapours. If risk of water pollution occurs, notify appropriate authorities.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet.

### **6.2. Environmental precautions**

Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

### **6.3. Methods and material for containment and cleaning up**

Wash skin thoroughly with soap and water for several minutes. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like.

### **6.4. Reference to other sections**

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

**LEAD-BASED POLYESTER PIGMENT PASTES****SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact. Pregnant women should not work with the product, if there is the least risk of lead exposure. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Wash hands after handling.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed original container in a dry, cool and well-ventilated place.

Storage Class

Chemical storage.

**7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
C.I.PIGMENT RED 104 (C.I. 77605)	WEL		0.15 mg/m <sup>3</sup>			
C.I.PIGMENT YELLOW 34 (C.I. 77603)	WEL		0.15 mg/m <sup>3</sup>			

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits Due to the hazardous nature of ingredients, exposure should be minimal.

**8.2. Exposure controls**

Protective equipment



Process conditions

Provide eyewash station.

Engineering measures

Well-ventilated area.

Hand protection

Chemical resistant gloves required for prolonged or repeated contact.

Eye protection

Wear approved safety goggles.

Other Protection

AVOID ALL SKIN AND RESPIRATORY CONTACT! Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Appearance

Viscous liquid.

Odour

Aromatic.

## LEAD-BASED POLYESTER PIGMENT PASTES

Initial boiling point and boiling range >145

range

Solubility Value (G/100G H<sub>2</sub>O@20°C)

Not applicable.

Flash point >65

### **9.2. Other information**

Not available.

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1. Reactivity**

In the event of fire, oxides of lead chromium and antimony may be generated.

### **10.2. Chemical stability**

Stable under normal temperature conditions.

### **10.3. Possibility of hazardous reactions**

Not applicable.

### **10.4. Conditions to avoid**

Avoid exposure to high temperatures or direct sunlight.

### **10.5. Incompatible materials**

Materials To Avoid

No information available.

### **10.6. Hazardous decomposition products**

Toxic gases/vapours/fumes of: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Oxides of: Lead. Chromium.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

General information

Possible reproductive impact. Known or suspected carcinogen for humans. Lead is accumulated in the body and may cause damage to the brain and nervous system after prolonged exposure. Known or suspected teratogen.

Ingestion

Toxic: danger of very serious irreversible effects if swallowed.

Skin contact

Prolonged or repeated exposure may cause severe irritation.

Eye contact

Repeated exposure may cause chronic eye irritation.

Toxicological information on ingredients.

**LEAD-BASED POLYESTER PIGMENT PASTES****C.I.PIGMENT YELLOW 34 (C.I. 77603) (CAS: 1344-37-2)**

Toxic Dose 1 - LD 50

&gt;2, 000 mg/kg (oral rat)

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

LOAEL 70 mg/kg Oral Rat

Aspiration hazard:

General information

Possible reproductive impact. Known or suspected carcinogen for humans. Lead is accumulated in the body and may cause damage to the brain and nervous system after prolonged exposure. Known or suspected teratogen.

Ingestion

Toxic if swallowed. Toxic: danger of very serious irreversible effects if swallowed.

Skin contact

Prolonged or repeated exposure may cause severe irritation.

Eye contact

Repeated exposure may cause chronic eye irritation.

**C.I.PIGMENT RED 104 (C.I. 77605) (CAS: 12656-85-8)**

Toxic Dose 1 - LD 50

&gt;2, 000 mg/kg (oral rat)

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

LOAEL 70 mg/kg Oral Rat

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

Ecological information on ingredients.**C.I.PIGMENT YELLOW 34 (C.I. 77603) (CAS: 1344-37-2)**

Ecotoxicity

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

**12.1. Toxicity**

Due to their extreme water insolubility these products are non toxic to aquatic life. Due to its chemical stability and insolubility these products do not degrade in water. However, the commission stated that all products containing lead and hexavalent chromium must be considered toxic to environment.

Acute Toxicity - Fish

LC50 96 hours &gt; 10000 mg/l Onchorhynchus mykiss (Rainbow trout)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours &gt; 100 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

EC50 72 hours &gt; 100 mg/l Scenedesmus subspicatus

## LEAD-BASED POLYESTER PIGMENT PASTES

### Ecological information on ingredients.

#### **C.I.PIGMENT YELLOW 34 (C.I. 77603) (CAS: 1344-37-2)**

Acute Toxicity - Fish

LC50 96 hours > 10, 000 mg/l Onchorhynchus mykiss (Rainbow trout)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours > 100 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

EC50 72 hours > 100 mg/l Scenedesmus subspicatus

#### **C.I.PIGMENT RED 104 (C.I. 77605) (CAS: 12656-85-8)**

Acute Toxicity - Fish

LC50 96 hours > 10, 000 mg/l

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours > 100 mg/l

Acute Toxicity - Aquatic Plants

EC50 72 hours > 100 mg/l Scenedesmus subspicatus

### **12.2. Persistence and degradability**

Not applicable.

Degradability

The product is not biodegradable.

### **12.3. Bioaccumulative potential**

Bioaccumulative potential

Low bioaccumulation potential. Due to the very low solubility of C.I.Pigment's in water, the bioavailability of the substance is expected to be low. Therefore, the bioaccumulation of the substance is expected to be low.

### **12.4. Mobility in soil**

Adsorption/Desorption Coefficient

Soil log Koc > 5.71

### **12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

### **12.6. Other adverse effects**

Due to extreme insolubility in water, this product is not toxic to aquatic life. Because of their chemical stability they do not degrade in water. However, the European Commission stated that all products containing lead and hexavalent chromium must be considered toxic to the environment.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements. Absorb in vermiculite or dry sand and dispose of at a licensed hazardous waste collection point. Contaminated packaging should be disposed of in the same manner as contents. Clean packaging material should be subjected to waste management schemes (recovery recycling reuse) according to local legislation.

## **SECTION 14: TRANSPORT INFORMATION**

General

Contains <5% soluble lead. Not classified as Dangerous for Transport.

### **14.1. UN number**

Not applicable.

**LEAD-BASED POLYESTER PIGMENT PASTES****14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

Not applicable.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**Environmentally Hazardous Substance/Marine Pollutant  
No.**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

**15.2. Chemical Safety Assessment**

A chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

Revision Date	05/07/2012
Revision	5
Supersedes date	28/06/2012
Risk Phrases In Full	
R33	Danger of cumulative effects.
R45	May cause cancer.
R61	May cause harm to the unborn child.
R62	Possible risk of impaired fertility.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard Statements In Full	
H350	May cause cancer.
H360Df	May damage the unborn child and suspected of damaging fertility.
H373	May cause damage to organs <<Organs>> through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.