



# SAFETY DATA SHEET

## Lemon Yellow Polyester Pigment

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

**Product name** Lemon Yellow Polyester Pigment  
**Company** Easy Composites Ltd  
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 United Kingdom

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### 2. HAZARDS IDENTIFICATION

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

**Hazards**  
**Human health** 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.

#### Label elements

**Contains** C.I.PIGMENT YELLOW 34 (C.I. 77603)  
 Label In Accordance With (EC) No. 1272/2008



**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.

**Safety Phrases**

S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
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.
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.

**Other hazards** Not Classified as PBT/vPvB by current EU criteria.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Description	Conc. %	CAS No.	EC No.	Classification (EC 1272/2008)	Classification (67/548/EEC)
C.I.PIGMENT YELLOW 34 (C.I. 77603)	50-60	1344-37-2	215-693-7	Carc. 1B - H350 Repr. 1A - H360Df STOT RE 2 - H373 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Carc. Cat. 2;R45 Repr. Cat. 1;R61 Repr. Cat. 3;R62 R33 N;R50/53

**4. FIRST AID MEASURES****Description of first aid measures**

**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.

**Most important symptoms and effects , both acute and delayed**

**General Info.** Get medical attention immediately!

**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.

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

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

**Special hazards arising from the substance or mixture**

Hazardous combustion products Lead. Chromium. Antimony.

Unusual Fire & Explosion Hazards Fire causes formation of toxic gases. Fire or high temperatures create: Toxic gases/vapours/fumes of: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Oxides of: Lead. Chromium.

**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.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions , protective equipment and emergency procedures**

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

**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.

**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.

**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.

## 7. HANDLING AND STORAGE

<b>Precautions for safe handling</b>	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.
<b>Conditions for safe storage</b>	Store in tightly closed original container in a dry, cool and well-ventilated place. Storage Class: Chemical storage.
<b>Specific end use ( s )</b>	The identified uses for this product are detailed in Section 1.2

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

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

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

### Exposure controls

#### Protective equipment



<b>Process conditions</b>	Provide eyewash station.
<b>Engineering measures</b>	Well-ventilated area.
<b>Hand protection</b>	Chemical resistant gloves required for prolonged or repeated contact.
<b>Eye protection</b>	Wear approved safety goggles.
<b>Other Protection</b>	AVOID ALL SKIN AND RESPIRATORY CONTACT! Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b>	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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Viscous Liquid.
<b>Colour</b>	Variable
<b>Odour</b>	Aromatic.
<b>Initial boiling (°C)</b>	>145
<b>Solubility</b>	Not applicable.
<b>Flash point (°C)</b>	>65

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	In the event of fire, oxides of lead chromium and antimony may be generated.
<b>Chemical stability</b>	Stable under normal temperature conditions.
<b>Possibility of hazardous reactions</b>	Not applicable.
<b>Conditions to avoid</b>	Avoid exposure to high temperatures or direct sunlight.
<b>Incompatible materials</b>	No information available.
<b>Hazardous decomposition products</b>	Toxic gases/vapours/fumes of: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). Oxides of: Lead. Chromium.

## 11. TOXICOLOGICAL INFORMATION

<b>General information</b>	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.
<b>Inhalation</b>	Vapour may irritate respiratory system or lungs.
<b>Ingestion</b>	Toxic if swallowed. Toxic: danger of very serious irreversible effects if swallowed.
<b>Skin contact</b>	Irritating to skin. Prolonged or repeated exposure may cause severe irritation.

<b>Eye contact</b>	Irritation of eyes and mucous membranes. <b>C . I . PIGMENT YELLOW 34 ( C . I . 77603 ) ( CAS : 1344 - 37 - 2 )</b>
Toxic Dose 1 - LD 50	>2, 000 mg/kg (oral rat)
<b>Specific target organ toxicity - single exposure</b>	STOT - Repeated exposure LOAEL 70 mg/kg Oral Rat

## 12. ECOLOGICAL INFORMATION

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

### Toxicity

#### **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
<b>Persistence and degradability</b>	Not applicable as the pigment is an inorganic substance and insoluble in water
<b>Bio accumulative potential</b>	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
<b>Mobility in soil</b>	Adsorption/Desorption Coefficient Soil log Koc > 5.71
<b>Results of PBT and vPvB assessment</b>	Not Classified as PBT/vPvB by current EU criteria.
<b>Other adverse effects</b>	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

## 13. DISPOSAL CONSIDERATIONS

<b>General information</b>	Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.
<b>Waste treatment methods</b>	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.

## 14. TRANSPORT INFORMATION

<b>General</b>	Contains <5% soluble lead. Not classified as Dangerous for Transport.
<b>Rail Transport Notes</b>	Not classified.
<b>Sea Transport Notes</b>	Not classified.
<b>Air Transport Notes</b>	Not classified.
<b>UN number</b>	Not applicable.
<b>UN proper shipping name</b>	Not applicable.
<b>Transport hazard class ( es )</b>	Not applicable.
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	None.

## 15. REGULATORY INFORMATION

### Safety , health and environmental regulations / legislation specific for the substance or mixture

<b>Uk Regulatory References</b>	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
<b>Approved Code Of Practice</b>	Classification and Labelling of Substances and Preparations Dangerous for Supply.
<b>Guidance Notes</b>	Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).
<b>EU Legislation</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18

December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 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.

**Chemical Safety  
Assessment**

No chemical safety assessment has been carried out.

## 16. OTHER INFORMATION

**Further information**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.