

**VERSAL YELLOW 4G**

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Revision: 2

**SECTION 1: Identification of the Substance / Mixture and of the Company / Undertaking****1.1 Product Identifier**

Trade Name: VERSAL YELLOW 4G  
REACH Registration Number: see section 3

**1.2 Relevant Identified Uses of the Substance / Mixture and Uses Advised Against**

Organic pigment for industrial proces

**1.3 Details of the Supplier of the Safety Data Sheet**

Synthesia, a.s.  
Semtín 103  
530 02 Pardubice  
Czech Republic

Telephone: + 420 466 821 111  
Fax: + 420 466 821 020  
E-mail: [synthesia@synthesia.eu](mailto:synthesia@synthesia.eu)

**E-mail Address for a Competent Person:** [sds@synthesia.cz](mailto:sds@synthesia.cz)

Ecological and Toxicological Association of Dyes and Organic Pigments Manufacturers (ETAD)  
Approved to the ISO 9001:2008, ISO 14001:2004, ČSN OHSAS 18001:2008

**1.4 Emergency Telephone Number****Manufacturer:**

Telephone: + 420 466 824 402  
Fax: + 420 466 824 448

**Poison Center:**

Toxikologické informační středisko, Na Bojišti 1, 128 08 Praha 2  
Telephone: + 420 224 919 293, + 420 224 915 402

**SECTION 2: Hazards Identification****2.1 Classification of the Substance / Mixture**

Based on the information available to the manufacturer/importer, this product does not meet criteria for the classification according to Regulation (EC) No 1272/2008.

**2.2 Label Elements**

The product is not subject to mandatory labelling according to Regulation (EC) No 1272/2008.

**2.3 Other Hazards**

Dust/air mixture can be explosive.

**SECTION 3: Composition / Information on Ingredients****3.1 Substances**

Chemical name	Content	Classification according to
Index number CAS number	[wt. %]	Regulation (EC) 1272/2008

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<b>EC number</b>		
<b>Registration number</b>		
Pigment Yellow 155		
-	> 99	
68516-73-4		
271-176-6		
01-2119960152-45-XXXX		

At the recommended handling are not known any dangerous properties of product.

**3.2 Mixtures**

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**SECTION 4: First Aid Measures****4.1 Description of First Aid Measures**

Do not breathe dust.  
Avoid contact with skin and eyes.  
If you feel unwell, seek medical advice.  
In case of accident by inhalation: remove casualty to fresh air and keep at rest.

**4.1.1 Inhalation**

In case of accident by inhalation: Remove casualty to fresh air and keep at rest

**4.1.2 Skin Contact**

Avoid contact with skin. Wash the contaminated parts with plenty of water.

**4.1.3 Eye Contact**

Avoid contact with eyes. If eye contaminated, rinse it out with water, ask for medical help.

**4.1.4 Ingestion**

Do not induce vomiting!  
If swallowed, rinse mouth with water (only if the person is conscious).

**4.2 Most Important Symptoms and Effects, both Acute and Delayed**

No information available.

**4.3 Indication of any Immediate Medical Attention and Special Treatment Needed**

not specified

**SECTION 5: Firefighting Measures****5.1 Extinguishing Media****5.1.1 Suitable Extinguishing Media**

Water-fog, dry chemicals, foam.

**5.1.2 Unsuitable Extinguishing Media**

Full water jet, CO2.

**5.2 Special Hazards Arising from the Substance / Mixture**

When burning may produce oxides of carbon and nitrogen.

**5.3 Advice for Firefighters**

Self-contained breathing apparatus

**SECTION 6: Accidental Release Measures**

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**6.1 Personal Precautions, Protective Equipment and Emergency Procedures****6.1.1 For Non-emergency Personnel**

In case of insufficient ventilation, wear suitable respiratory equipment.

**6.1.2 For Emergency Responders**

Use always personal protective equipment when removing of spilled material: goggles, gloves, respirator in case of dust scatter.

**6.2 Environmental Precautions**

Avoid release to the environment.

Avoid creating dusty conditions.

**6.3 Methods and Material for Containment and Cleaning Up**

Product sweep up and deposit in suitable containers for deposition. Rinse the rest away with water. Incineration, disposal, according local regulations.

**6.4 Reference to Other Sections**

See section 8 for information on appropriate personal protective equipment. See section 13 for further information on waste management.

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**SECTION 7: Handling and Storage****7.1 Precautions for Safe Handling**

Do not breathe dust.

Avoid contact with skin and eyes.

When using, do not eat, drink or smoke.

Avoid release to environment

**7.2 Conditions for Safe Storage, including any Incompatibilities**

Keep away from sources of ignitions. Do not smoke.

Product should be stored in original containers under normal conditions.

Keep away from food, drink and animal feedstuffs.

Avoid creating dusty conditions.

**7.3 Specific End Use(s)**

Not applicable.

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**SECTION 8: Exposure Controls / Personal Protection****8.1 Control Parameters****Exposure Limit Values:**

not determined

**DNEL:**

Pigment Yellow 155:

Workers - inhalation, long-term effects - 3 mg/m<sup>3</sup>

General population, inhalation, long-term effects - 3 mg/m<sup>3</sup>

**PNEC:**

Pigment Yellow 155:

Soil - 1 mg/kg

STP - 1 mg/l

**8.2 Exposure Controls****8.2.1 Appropriate Engineering Controls**

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Avoid inhalation of dust.

**8.2.2 Individual Protection Measures, Personal Protective Equipment**

All personal protective equipment must be kept in usable condition. Damaged or contaminated equipment must be immediately replaced.

Respiratory Protection: respirator or half mask with dust filter

Hand Protection: Protective gloves.

Eye / Face Protection: protective goggles

Skin Protection: Protective suit

**8.2.3 Environmental Exposure Controls**

Do not empty into drains.

**8.3 Other Information**

This product is classified as non-hazardous. However the usual precautions for handling chemicals must be observed to avoid contact with the skin, eyes and respiratory tract.

When using do not eat, drink, or smoke.

**SECTION 9: Physical and Chemical Properties****9.1 Information on Basic Physical and Chemical Properties**

Appearance:	yellow powder
Odour:	odourless
Odour Threshold Value:	not available
pH:	6-8 20 °C 10 g/l H <sub>2</sub> O
Melting Point / Freezing Point:	not available
Boiling Point (Range):	not available
Flash Point:	not available
Evaporation Rate:	not available
Flammability (Solid, Gas):	Like other organic dust can combine with air form explosive mixtures
Upper Flammability / Explosive Limits:	not available
Lower Flammability / Explosive Limits:	not available
Vapour Pressure:	not available
Vapour Density:	not available
Relative Density:	1,5
Solubility:	not available
Water Solubility:	insoluble
Partition Coefficient n-Octanol/Water:	not available
Autoignition Temperature:	not available
Decomposition Temperature:	not available
Viscosity:	not available
Explosive Properties:	not available
Oxidising Properties:	not available

**9.2 Other Information**

no information available

**SECTION 10: Stability and Reactivity****10.1 Reactivity**

Under normal conditions, the product is stable.

**10.2 Chemical Stability**

This product is stable under normal storage conditions

**VERSAL YELLOW 4G****10.3 Possibility of Hazardous Reactions**

See information in sections 2 and 9.

**10.4 Conditions to Avoid**

Thermal decomposition > 200 °C

**10.5 Incompatible Materials**

Oxidizing and reduction agents.

**10.6 Hazardous Decomposition Products**

Burning can produce oxides of carbon and nitrogen

**10.7 Other Information**

None.

**SECTION 11: Toxicological Information****11.1 Information on Toxicological Effects****Acute Toxicity:**

LD<sub>50</sub>, Oral, Rat (mg/kg): > 14 000  
LD<sub>50</sub>, Skin, Rat or Rabbit (mg/kg): no data available  
LC<sub>50</sub>, Inhalation, Rat (aerosol or particle) (mg/m<sup>3</sup>): no data available

**Skin Corrosion / Irritation:**

Not irritating (rabbit).

**Serious Eye Damage / Irritation:**

Eyes irritation/rabbit: non irritant

**Respiratory or Skin Sensitisation:**

no data available

**Germ Cell Mutagenicity:**

no data available

**Carcinogenicity:**

no data available

**Reproductive Toxicity:**

no data available

**STOT - Single Exposure:**

no data available

**STOT - Repeated Exposure:**

no data available

**Aspiration Hazard:**

no data available

**11.2 Potential Adverse Health Effects / Symptoms**

Other data not available.

**SECTION 12: Ecological Information****12.1 Toxicity**

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**12.1.1 Acute Aquatic Toxicity**

LC<sub>50</sub>, 96 h, Fish (mg/l): > 100  
EC<sub>50</sub>, 48 h, Crustacea (mg/l): no data available  
IC<sub>50</sub>, 72 h, Algae (mg/l): no data available

**12.1.2 Chronic Aquatic Toxicity**

no data available

**12.1.3 Toxicity for Other Environment**

no data available

**12.2 Persistence and Degradability**

(BOD5:COD).100  
DEGREE OF ELIMINATION: <10%  
COD: no data available  
BOD5: no data are available

**12.3 Bioaccumulative Potential**

no data available

**12.4 Mobility in Soil**

no data available

**12.5 Results of PBT and vPvB Assessment**

The substance does not meet the criteria for PBT or vPvB.

**12.6 Other Adverse Effects**

not known

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**SECTION 13: Disposal Considerations****13.1 Waste Treatment Methods****13.1.1 Disposal Methods of the Substance / Mixture**

Incineration, disposal, according local regulations.  
Residues as well as rinse water must not be discharged into the ground, public sewers, or near water sources and streams.

**13.1.2 Disposal Methods of the Contaminated Packaging**

Contaminated empty containers must be disposed of as chemical waste

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**SECTION 14: Transport Information**

No Dangerous Goods

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**SECTION 15: Regulatory Information****15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture**

Regulation (EC) No. 1907/2006  
Regulation (EC) No. 1272/2008  
WGK 1: slightly water endangering (Classification from manufacturer)

**15.2 Chemical Safety Assessment**

No chemical safety assessment has been carried out.

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**SECTION 16: Other Information****Reason for Alteration:**

General update.

**List of Abbreviations:**

CAS - Chemical Abstracts Service  
EC number - EINECS (European Inventory of Existing Commercial Chemical Substance), ELINCS (European List of Notified Chemical Substances) or NLP (No-Longer-Polymers)  
LD50 - lethal dose, 50%  
LC50 - lethal concentration, 50%  
EC50 - effective concentration, 50%  
IC50 - inhibitory concentration, 50%  
PBT - persistent, bioaccumulative and toxic  
vPvB - very persistent and very bioaccumulative  
BCF - bioconcentration factor  
COD - chemical oxygen demand  
BOD - biological oxygen demand  
DNEL - derived no-effect level  
PNEC - predicted no-effect concentration  
NOAEL - no observed adverse effect level  
NOAEC - no observed adverse effect concentration  
NOEC - no observed effect concentration  
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
IMDG - International Maritime Dangerous Goods  
ICAO - International Civil Aviation Organisation  
IATA - International Air Transport Association

**Sources of Key Data Used to Compile the Safety Data Sheet:**

National legislation, chemical databases and tables.

**Relevant Information for Classification and Labelling of the Product:**

Applying the conventional method.

**Training Advice:**

In compliance with material safety data sheet.

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*The above information corresponds to the current level of our knowledge and experience. The data merely describe the product with respect to safety and cannot be construed as guaranteed parameters. The user is responsible for handling in compliance with the existing laws and regulations.*