

VERSAL YELLOW 3GF

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

Trade Name: VERSAL YELLOW 3GF

REACH Registration Number: see section 3

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Organic pigment for industrial process

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

E-mail Address for a Competent Person: sds@synthesia.cz
Ecological and Toxicological Association of Dyes and Organic Pigments Manufacturers (ETAD)

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, Czech Republic
Telephone: + 420 224 919 293, + 420 224 915 402

SECTION 2: Hazards Identification**2.1 Classification of the Substance or 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.

Additional Information:

Contains 1,2-dichlorobenzene. May produce an allergic reaction. (EUH208)
Safety data sheet available on request. (EUH210)

2.3 Other Hazards

Dust/air mixture can be explosive.
Components of this mixture do not meet criteria for classification as PBT or vPvB in accordance with Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

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SECTION 3: Composition / Information on Ingredients

3.1 Substances

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3.2 Mixtures

Chemical name		
Index number CAS number EC number Registration number	Content [wt. %]	Classification according to Regulation (EC) 1272/2008
Pigment Yellow 93		
- 5580-57-4 226-970-7 01-2119960203-46-XXXX	≥ 98	
1,2-Dichlorobenzene		
602-034-00-7 95-50-1 202-425-9 01-2119451167-40-XXXX	< 0.5	Acute Tox.4, H302 Acute Tox.4, H332 Skin Irrit.2, H315 Eye Irrit.2, H319 Skin Sens.1B, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

The full text of H-phrases, hazard class and hazard category code is given in section 16.

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

Avoid contact with skin and eyes.

Do not breathe dust.

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

If you feel unwell, seek medical advice.

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

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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

During combustion may produce oxides of carbon and nitrogen and chlorine substances.

5.3 Advice for Firefighters

Self-contained breathing apparatus

SECTION 6: Accidental Release Measures**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.

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.

SECTION 8: Exposure Controls / Personal Protection

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8.1 Control Parameters

Exposure Limit Values:

Exposure Limits for Workplace [1,2-Dichlorobenzene] (CAS: 95-50-1)				
Country	Long-term		Short-term	
	mg/m ³	ppm	mg/m ³	ppm
EU	122	20	306	50

DNEL:

Pigment Yellow 93:

Workers - inhalation, long-term effects - 3 mg/m³

General population, inhalation, long-term effects - 3 mg/m³

PNEC:

Pigment Yellow 93:

Soil - 1 mg/kg

STP - 1 mg/l

8.2 Exposure Controls

8.2.1 Appropriate Engineering Controls

No specific recommendation.

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 ₂ O
Melting Point / Freezing Point:	360 °C (decomposes)
Boiling Point (Range):	not available
Flash Point:	not available
Evaporation Rate:	not available

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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:	1,4
Solubility:	not available
Water Solubility:	10 µg/l 20 °C
Partition Coefficient n-Octanol/Water:	Log Kow (Pow): 0 (23 °C)
Autoignition Temperature:	not available
Decomposition Temperature:	> 360 °C
Viscosity:	not applicable
Explosive Properties:	non explosive
Oxidising Properties:	not oxidizing

9.2 Other Information

no information available

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

Product is stable under normal conditions.

10.2 Chemical Stability

This product is stable under normal storage conditions

10.3 Possibility of Hazardous Reactions

See information in sections 2 and 9.

10.4 Conditions to Avoid

Unknown.

10.5 Incompatible Materials

Oxidizing and reduction agents.

10.6 Hazardous Decomposition Products

Burning can produce oxides of carbon and nitrogen and compounds of: Chlorine

10.7 Other Information

None.

SECTION 11: Toxicological Information**11.1 Information on Toxicological Effects****Acute Toxicity:**LD₅₀, Oral, Rat (mg/kg): > 4 000LD₅₀, Skin, Rat or Rabbit (mg/kg): > 5 000LC₅₀, Inhalation, Rat (aerosol or particle) (mg/m³): > 1 700**Skin Corrosion / Irritation:**

Not irritating (rabbit).

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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

Potential Adverse Health Effects / Symptoms

Other data not available.

SECTION 12: Ecological Information**12.1 Toxicity****12.1.1 Acute Aquatic Toxicity**LC₅₀, 96 h, Fish (mg/l): > 100EC₅₀, 48 h, Crustacea (mg/l): > 100EC₅₀, 72 h, Algae (mg/l): > 100**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: 1 834 mg O/g

BOD5: 20 mg O/g

12.3 Bioaccumulative Potential

no data available

12.4 Mobility in Soil

no data available

12.5 Results of PBT and vPvB Assessment

The components of the mixture do not meet the criteria for classification as PBT or vPvB.

VERSAL YELLOW 3GF**12.6 Other Adverse Effects**

not known

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

Incineration, disposal, according local regulations.

13.1.2 Disposal Methods of the Contaminated Packaging

Contaminated empty containers must be disposed of as chemical waste

SECTION 14: Transport Information

No Dangerous Goods

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

The mixture contains ingredient for which a chemical safety assessment has been carried out.

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 - biochemical 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 - 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

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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:

ECHA - registered substances.

Full Text of H-phrases from Section 2 and 3:

Acute Tox.4, H302 Acute toxicity (oral), Category 4

Acute Tox.4, H332 Acute toxicity (inhalation), Category 4

Skin Irrit.2, H315 Skin corrosion/irritation, Category 2

Eye Irrit.2, H319 Serious eye damage/eye irritation, Category 2

Skin Sens.1B, H317 Skin sensitisation, Category 1B

STOT SE 3, H335 Specific target organ toxicity - Single exposure, Category 3, Respiratory tract irritation

Aquatic Acute 1, H400 Hazardous to the aquatic environment - acute, Category 1

Aquatic Chronic 1, H410 Hazardous to the aquatic environment - chronic, Category 1

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH208 Contains 1,2-dichlorobenzene. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

Training Advice:

In compliance with safety data sheet.

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.