

VERSAL YELLOW 4GN

Date of Publication: 01/06/2007

Date of Revision: 01/06/2015

Revision: 2

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

Trade Name: VERSAL YELLOW 4GN
Chemical Name: Pigment Yellow 155
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

E-mail Address for a Competent Person: 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

Product is neither a PBT nor a vPvB substance.

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

Chemical name	Content	Classification according to
Index number		

VERSAL YELLOW 4GN

CAS number EC number Registration number	[wt. %]	Regulation (EC) 1272/2008
Pigment Yellow 155		
- 68516-73-4 271-176-6 01-2119960152-45-XXXX	> 99	

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

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

Do not breathe dust.
Avoid contact with skin and eyes.
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

not known

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

VERSAL YELLOW 4GN

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**8.1 Control Parameters****Exposure Limit Values:**

not determined

DNEL:

Pigment Yellow 155:
Workers - inhalation, long-term effects - 3 mg/m³
General population, inhalation, long-term effects - 3 mg/m³

PNEC:

Pigment Yellow 155:
Soil - 1 mg/kg
STP - 1 mg/l

8.2 Exposure Controls

VERSAL YELLOW 4GN

8.2.1 Appropriate Engineering Controls

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 ₂ 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:	1,4
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

VERSAL YELLOW 4GN

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

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

11.2 Potential Adverse Health Effects / Symptoms

Other data not available.

SECTION 12: Ecological Information**12.1 Toxicity****12.1.1 Acute Aquatic Toxicity**

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

VERSAL YELLOW 4GN**12.1.2 Chronic Aquatic Toxicity****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**12.6 Other Adverse Effects**

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

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

Chemical safety assessment has been carried out for this substance.

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%

VERSAL YELLOW 4GN

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:

ECHA - registered substances.

Training Advice:

In compliance with material 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.