

VERSAL YELLOW 4RDP

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Revision: 4

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name: VERSAL YELLOW 4RDP

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 of 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**

The product does not meet the criteria for classification as hazardous according to Regulation (EC) No 1272/2008.

2.2 Label elements

The product does not meet the criteria for classification as hazardous according to Regulation (EC) No 1272/2008.

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.

SECTION 3: Composition/information on ingredients**3.1 Substances**
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VERSAL YELLOW 4RDP**3.2 Mixtures**

Chemical name		
Index number CAS number EC number REACH registration number	Content [wt. %]	Classification according to Regulation (EC) No 1272/2008
Pigment Yellow 139		
- 36888-99-0 253-256-2 01-2119965154-36-XXXX	> 89	

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 Following inhalation

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

4.1.2 Following skin contact

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

4.1.3 Following eye contact

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

4.1.4 Following 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 or mixture

When burning may produce oxides of carbon and oxides of nitrogen.

5.3 Advice for firefighters

Self-contained breathing apparatus

VERSAL YELLOW 4RDP

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**8.1 Control parameters****Occupational exposure limit values:**

not determined

DNEL:

Pigment Yellow 139:

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

PNEC:

Pigment Yellow 139:

No hazard identified

8.2 Exposure controls

VERSAL YELLOW 4RDP**8.2.1 Appropriate engineering controls**

Avoid inhalation of dust.

8.2.2 Individual protection measures, such as 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

Body protection: protective suit

8.2.3 Environmental exposure controls

Do not empty into drains.

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: 5 - 7 20 °C 10 g/l H₂O

Melting point/freezing point: not available

Boiling point: not available

Flash point: not available

Evaporation Rate: not available

Flammability: Like other organic dust can combine with air form explosive mixtures

Upper explosion limit: not available

Lower explosion limit: not available

Vapour pressure: not available

Relative vapour density: not available

Density or relative density: 1,6

Solubility: not available

Solubility in water: insoluble

Partition coefficient n-octanol/water: not available

Auto-ignition temperature: not available

Decomposition temperature: not available

Kinematic 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**

Product is stable under normal conditions.

10.2 Chemical stability

This product is stable under normal storage conditions

10.3 Possibility of hazardous reactions

VERSAL YELLOW 4RDP

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):	> 10 000
LD ₅₀ , dermal, rat or rabbit (mg/kg):	> 2 500
LC ₅₀ , inhalation, rat (aerosol or particle) (mg/m ³):	no data available

Skin corrosion/irritation:

Not irritating.

Serious eye damage/irritation:

not irritating

Respiratory or skin sensitisation:

Not sensitising.

Germ cell mutagenicity:

Not mutagenic.

Carcinogenicity:

Not carcinogenic.

Reproductive toxicity:

no data available

STOT-single exposure:

no data available

STOT-repeated exposure:

no data available

Aspiration hazard:

no data available

Symptoms related to the physical, chemical and toxicological characteristics

Other data not available.

SECTION 12: Ecological information**12.1 Toxicity****12.1.1 Acute (short-term) aquatic toxicity**

VERSAL YELLOW 4RDP

LC₅₀, 96 h, fish (mg/l): > 10 000

EC₅₀, 48 h, crustacea (mg/l): > 100

EC₅₀, 72 h, algae (mg/l): > 100

12.1.2 Chronic (long-term) aquatic toxicity

no data available

12.1.3 Toxicity for other organisms

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

12.6 Other Adverse Effects

not known

SECTION 13: Disposal considerations**13.1 Waste treatment methods****13.1.1 Product disposal**

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 Packaging disposal

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.

VERSAL YELLOW 4RDP**SECTION 16: Other informationn****Indication of changes:**

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

ICAO - International Civil Aviation Organisation

IATA - International Air Transport Association

Key literature references and sources for data:

National legislation, chemical databases and tables.

Relevant information for classification of the product:

Applying the conventional method.

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.