

**VERSAL RED 3RL**

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Revision: 4

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

Trade Name: VERSAL RED 3RL

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](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)

**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

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**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 colophony. May produce an allergic reaction. (EUH 208)  
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 Red 48:3		
- 15782-05-5 239-879-2 01-2119474693-28-XXXX	96	
Colophony		
- 8050-09-7 232-475-7 01-2119480418-32-XXXX	< 1	Skin Sens.1, H317
Resin acids and Rosin acids, potassium salts		
- 61790-50-9 263-142-4 *	< 1	Eye Irrit.2, H319

\*The product is not subject to obligatory registration (Annex 5, article 4)

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

- 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.
- In case of contact with eyes, rinse immediately with plenty of water.

##### 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

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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, CO<sub>2</sub>.

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

When burning may produce oxides of carbon, nitrogen, sulphur and chlorine compounds.

**5.3 Advice for Firefighters**

Self-contained breathing apparatus

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**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.

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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**

Product should be stored in original containers under normal conditions.

Keep away from sources of ignitions. Do not smoke.

Keep away from food, drink and animal feedstuffs.

Avoid creating dusty conditions.

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### 7.3 Specific End Use(s)

Not applicable.

## SECTION 8: Exposure Controls / Personal Protection

### 8.1 Control Parameters

#### Exposure Limit Values:

Exposure Limits for Workplace [ Colophony] (CAS: 8050-09-7)				
Country	Long-term		Short-term	
	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm
CZ (dust, smoke)	1			

#### DNEL:

Pigment Red 48:3:

Workers - inhalation, long-term effects - 4,4 mg/m<sup>3</sup>

Workers - dermal, long-term effects - 1 mg/kg bw/day

General population, inhalation, long-term effects - 1,1 mg/m<sup>3</sup>

General population, dermal, long-term effects - 0,36 mg/kg bw/day

General population, oral, long-term effects - 0,63 mg/kg bw/day

#### PNEC:

Pigment Red 48:3:

Sediment (freshwater) - 10 mg/l

Sediment (marine water) - 1 mg/l

Soil - 10 mg/kg

STP - 10 mg/l

### 8.2 Exposure Controls

#### 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

**VERSAL RED 3RL****9.1 Information on Basic Physical and Chemical Properties**

Appearance:	red powder
Odour:	odourless
Odour Threshold Value:	not available
pH:	5 - 8 20 °C 10 g/l H <sub>2</sub> O
Melting Point / Freezing Point:	not available
Boiling Point (Range):	not available
Flash Point:	250 °C [SETTLED PWD.] 550 °C [WHIRLED PWD.]
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:	200 g/m <sup>3</sup> [Ei = 11,5 kJ]
Vapour Pressure:	not available
Vapour Density:	not available
Relative Density:	1,7
Solubility:	not available
Water Solubility:	insoluble
Partition Coefficient n-Octanol/Water:	Log Kow (Pow): -0.23 (23 °C)
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**

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**

Thermal decomposition &gt; 200 °C

**10.5 Incompatible Materials**

Oxidizing and reduction agents.

**10.6 Hazardous Decomposition Products**

Burning can produce oxides of carbon, nitrogen and sulphur AND COMPOUNDS OF: CHLORINE, STRONTIUM

**10.7 Other Information**

None.

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

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LD<sub>50</sub>, Oral, Rat (mg/kg): > 2900  
LD<sub>50</sub>, Skin, Rat or Rabbit (mg/kg): not determinable due to absence of adverse toxic effects  
LC<sub>50</sub>, Inhalation, Rat (aerosol or particle) (mg/m<sup>3</sup>): not determinable due to absence of adverse toxic effects

**Skin Corrosion / Irritation:**

Not irritating (rabbit).

**Serious Eye Damage / Irritation:**

Not irritating.

**Respiratory or Skin Sensitisation:**

not sensitising

**Germ Cell Mutagenicity:**

Not mutagenic.

**Carcinogenicity:**

Not carcinogenic.

**Reproductive Toxicity:**

non-teratogenic

**STOT – Single Exposure:**

based on available data, the classification criteria do not meet

**STOT – Repeated Exposure:**

based on available data, the classification criteria do not meet

**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**

LC<sub>50</sub>, 96 h, Fish (mg/l): With high probability acutely not harmful to fish  
EC<sub>50</sub>, 48 h, Crustacea (mg/l): With high probability acutely not harmful to aquatic invertebrates  
EC<sub>50</sub>, 72 h, Algae (mg/l): With high probability acutely not harmful to aquatic plants

**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%

**12.3 Bioaccumulative Potential**

no data available  
log Kow: -0,23 (23 °C)

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**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

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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:**

Section 3 - supplementing information

Section 9, 11, 12 - supplementation of data.

**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

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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

### **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.

ECHA - notified substances.

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

Skin Sens.1, H317 Skin sensitisation, Category 1

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

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

EUH 208 Contains colophony. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

### **Training Advice:**

In compliance with 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.*