

VERSAL RED 3RLT

Date of Publication: 25/07/2011

Date of Revision: 15/11/2021

Revision: 5

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

Trade Name: VERSAL RED 3RLT

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 colophony. May produce an allergic reaction. (EUH 208)

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

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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	95	
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.

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

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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, nitrogen, sulphur and chlorine compounds.

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.

Avoid release to environment

When using, do not eat, drink or smoke.

7.2 Conditions for Safe Storage, including any Incompatibilities

Keep away from sources of ignitions. Do not smoke.

Keep away from food, drink and animal feedstuffs.

Product should be stored in original containers under normal conditions.

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:

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

DNEL:

Pigment Red 48:3:

Workers - inhalation, long-term effects - 4,4 mg/m³

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

General population, inhalation, long-term effects - 1,1 mg/m³

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

9.1 Information on Basic Physical and Chemical Properties

Appearance:

red powder

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Odour:	odourless
Odour Threshold Value:	not available
pH:	5 - 8 20 °C 10 g/l H ₂ 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 ³ [Ei = 11,5 kJ]
Vapour Pressure:	not available
Vapour Density:	not available
Relative Density:	1,8
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 > 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:**LD₅₀, Oral, Rat (mg/kg): > 2900LD₅₀, Skin, Rat or Rabbit (mg/kg): not determinable due to absence of adverse toxic effects

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LC₅₀, Inhalation, Rat (aerosol or particle) (mg/m³): not determinable due to absence of adverse toxic effects

Skin Corrosion / Irritation:

Not irritating (rabbit).

Serious Eye Damage / Irritation:

slightly irritating (rabbit: 2)

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): With high probability acutely not harmful to fish

EC₅₀, 48 h, Crustacea (mg/l): With high probability acutely not harmful to aquatic invertebrates

EC₅₀, 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%

COD: 1 169 mg O/g

BOD5: 5,3 mg O/g

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 Effectsnot known

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 PackagingContaminated empty containers must be disposed of as chemical waste

SECTION 14: Transport InformationNo 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 AssessmentNo 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

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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.

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.