

VERSAL RED F3RKD

Date of Publication: 01/06/2007

Date of Revision: 24/02/2021

Revision: 6

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

Trade Name: VERSAL RED F3RKD

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

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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.

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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Chemical name		
Index number CAS number EC number Registration number	Content [wt. %]	Classification according to Regulation (EC) 1272/2008
Pigment Red 170		
- 2786-76-7 220-509-3 01-2119974130-45-XXXX	≥ 95	

3.2 Mixtures

-

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

In all cases keep the victim at physical and mental rest and warm. In all serious events and always in case of eye contact, get 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

Take off immediately contaminated clothing and flush affected area with plenty of water (preferably lukewarm) and soap.

4.1.3 Eye Contact

Rinse with plenty of water for at least 15 minutes, get medical advice.

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

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 oxides of nitrogen.

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.
Avoid contact with skin and eyes.

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

Sweep up material and place in the designated closed containers.
Dispose according to the section 13.

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
Take precautionary measures against static discharges.

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.

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 Red 170:
No hazard identified

PNEC:

Pigment Red 170:
No hazard identified

VERSAL RED F3RKD**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: nitrile rubber 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

Do not eat, drink or smoke during the work and observe the personal hygiene principles.

Wash with water and soap after work.

Apply skin-protective cream.

SECTION 9: Physical and Chemical Properties**9.1 Information on Basic Physical and Chemical Properties**

Appearance:	red powder
Odour:	odourless
Odour Threshold Value:	not available
pH:	6 - 8 (20 °C, 10 g/l H ₂ O)
Melting Point / Freezing Point:	decomposes
Boiling Point (Range):	not available
Flash Point:	not available
Evaporation Rate:	not available
Flammability (Solid, Gas):	non flammable
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:	0.225 mg/l (n-octanol)
Water Solubility:	cca 11.9 µg/l (24 °C, pH 7)
Partition Coefficient n-Octanol/Water:	log Pow = 1.28 (calculated)
Autoignition Temperature:	not available
Decomposition Temperature:	cca 313 °C
Viscosity:	not available
Explosive Properties:	not available
Oxidising Properties:	not available

9.2 Other Information

no information available

SECTION 10: Stability and Reactivity

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10.1 Reactivity

Stable under recommended storage and handling conditions (see section 7).

10.2 Chemical Stability

This product is stable under normal storage conditions

10.3 Possibility of Hazardous Reactions

Like other organic dust can combine with air form explosive mixtures

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

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

LD₅₀, Oral, Rat (mg/kg): > 15 000

LD₅₀, Skin, Rat or Rabbit (mg/kg): > 5 000

LC₅₀, Inhalation, Rat (aerosol or particle) (mg/m³): > 1580 (4 h)

Skin Corrosion / Irritation:

Not irritating (rabbit).

Serious Eye Damage / Irritation:

Not irritating (rabbit).

Respiratory or Skin Sensitisation:

Not sensitizing to skin.

Germ Cell Mutagenicity:

Ames test negative.

Carcinogenicity:

no data available

Reproductive Toxicity:

NOAEL (oral, rat): 1 000 mg/kg bw/day

STOT – Single Exposure:

no data available

STOT – Repeated Exposure:

NOAEL (oral, rat): 1 000 mg/kg bw/day

Aspiration Hazard:

no data available

Potential Adverse Health Effects / Symptoms**Skin Contact:**

May cause allergic reactions in certain sensitive individuals.

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

LC₅₀, 96 h, Fish (mg/l): > 100 (*Oryzias latipes*)
EC₅₀, 48 h, Crustacea (mg/l): > 100 (*Daphnia magna*)
EC₅₀, 72 h, Algae (mg/l): > 100 (*Pseudokirchneriella subcapitata*)

12.1.2 Chronic Aquatic Toxicity

no data available

12.1.3 Toxicity for Other Environment

NOEC (3 h, microorganisms): 1000 mg / l

12.2 Persistence and Degradability

No biodegradable.
0 % after 28 days

12.3 Bioaccumulative Potential

No remarkable bioaccumulation potential is expected (according to the log Pow).
BCF: 53 (QSAR)

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 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)

VERSAL RED F3RKD**15.2 Chemical Safety Assessment**

No chemical safety assessment has been carried out.

SECTION 16: Other Information**Reason for Alteration:**

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
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.
Database IUCLID.

Relevant Information for Classification and Labelling of the Product:

ECHA - registered substances. Pigment Red 170 [not classified, <1% (weight) 2'-ethoxy-3-hydroxy-2-naphtanilide]

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.