

VERSAL RED FGRD 01

Date of publication: 01/06/2007

Date of revision: 06/10/2022

Revision: 7

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

Trade name: VERSAL RED FGRD 01

REACH registration number: see section 3

1.2 Relevant identified uses of the substance or mixture and uses advised against**1.2.1 Relevant identified uses**

Organic pigment for industrial process

1.2.2 Uses advised against

Tattoo inks

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, 120 00 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.

Supplemental hazard information:

Contains residual 3-Hydroxy-2'-methyl-2-naphthanilide. May produce an allergic reaction. (EUH 208)

2.3 Other hazards

Dust/air mixture can be explosive.

VERSAL RED FGRD 01**SECTION 3: Composition/information on ingredients**

Azopigment

3.1 Substances

Chemical name			
Index number CAS number EC number REACH registration number	Content [wt. %]	Classification according to Regulation (EC) No 1272/2008	Specific concentration limit, multiplying factor, acute toxicity estimate
Pigment Red 112			
- 6535-46-2 229-440-3 01-2119456820-39-XXXX	≥ 97		

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 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

VERSAL RED FGRD 01

Full water jet, CO₂.

5.2 Special hazards arising from the substance or 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.

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 Red 112:

VERSAL RED FGRD 01

Workers - inhalation, long-term effects - 49 mg/m³
 Workers - dermal, long-term effects - 42 mg/kg bw/day
 General population, dermal, long-term effects - 25 mg/kg bw/day
 General population, oral, long-term effects - 25 mg/kg bw/day

Sulfonic acids, C14-17-sec-alkane, sodium salts:

Workers - inhalation, long-term effects - 35 mg/m³
 Workers - dermal, long-term effects - 5 mg/kg bw/day
 General population, inhalation, long-term effects - 12,4 mg/m³
 General population, dermal, long-term effects - 3,57 mg/kg bw/day
 General population, oral, long-term effects - 7,1 mg/kg bw/day

PNEC:

Sulfonic acids, C14-17-sec-alkane, sodium salts:
 Aqua (freshwater) - 0.06 mg/l
 Aqua (freshwater, intermittent releases) - 0.06 mg/l
 Aqua (marine water) - 0.006 mg/l
 Sediment (freshwater) - 9.4 mg/kg sediment dw
 Sediment (marine water) - 0.94 mg/kg sediment dw
 Soil - 9.4 mg/kg
 STP - 600 mg/l

8.2 Exposure controls

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
Thermal hazards:	irrelevant

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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	solid
Colour:	red
Odour:	odourless
Melting point/freezing point:	not available
Boiling point:	not available
Flammability:	Like other organic dust can combine with air form explosive mixtures
Lower explosion limit:	95 g/m ³ [Ei=4,5kJ]
Upper explosion limit:	not available

VERSAL RED FGRD 01

Flash point:	not available
Auto-ignition temperature:	not available
Decomposition temperature:	not available
pH:	6 - 8 20 °C 10 g/l H ₂ O
Kinematic viscosity:	not available
Solubility:	not available
Solubility in water:	insoluble
Partition coefficient n-octanol/water:	not available
Vapour pressure:	not available
Density or relative density:	1,6
Relative vapour density:	not available
Particle characteristics:	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 > 180°C

10.5 Incompatible materials

Oxidizing and reduction agents.

10.6 Hazardous decomposition products

Burning can produce oxides of carbon and nitrogen and compounds of: Chlorine

10.7 Other information

None.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity:**

LD ₅₀ , oral, rat (mg/kg):	> 5 000
LD ₅₀ , dermal, rat or rabbit (mg/kg):	no data available

LC₅₀, inhalation, rat (aerosol or particle) (mg/m³): no data available**Skin corrosion/irritation:**

Not irritating (rabbit).

Serious eye damage/irritation:

slightly irritating (rabbit: 2)

Respiratory or skin sensitisation:

VERSAL RED FGRD 01

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

Symptoms related to the physical, chemical and toxicological characteristics

Other data not available.

11.2 Information on other hazards**11.2.1 Endocrine disrupting properties**

They are not known.

11.2.2 Other information

They are not known.

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

LC₅₀, 96 h, fish (mg/l): > 100

EC₅₀, 48 h, crustacea (mg/l): no data available

EC₅₀, 72 h, algae (mg/l): no data available

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: 1 542,2 mg O/g

BOD5: < 0,6 mg O/g

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

no data available

VERSAL RED FGRD 01**12.5 Results of PBT and vPvB assessment**

no data available

12.6 Endocrine disrupting properties

They are not known.

12.7 Other adverse effects

They are 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 hazardous 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 2: hazard to waters (Classification from manufacturer)

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other informationn**Indication of changes:**

Section 3 - supplementing information

Section 8 - DNEL, PNEC.

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

VERSAL RED FGRD 01

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:

ECHA - registered substances.
The substance is classified on the basis of results of performed tests.

Relevant hazard statements:

EUH 208 Contains residual 3-Hydroxy-2'-methyl-2-naphthanilide. 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.