

SAFETY DATA SHEET

info@deffner-johann.de | +49 (0)9723 9350-0

Die in diesem Produktdatenblatt genannten Spezifikationen dienen nur zur Produktbeschreibung und beziehen sich auf den Zeitpunkt unmittelbar nach der Produktion bzw. Import des Produktes. Sie entsprechen den Angaben des Herstellers. Eine rechtsverbindliche Zusicherung bestimmter Eigenschaften oder der Eignung für einen bestimmten Einsatzzweck kann hieraus nicht abgeleitet werden. Durch unsachgemäßen Transport und / oder unsachgemäße Lagerung können sich Änderungen ergeben. Die Angaben in diesem Produktdatenblatt entbinden den Verarbeiter nicht von eigener Prüfung der Eigenschaften des Produktes und dessen Eignung für die vorgesehene Verwendung.

de	Raphael Art Pigments Violett	Revision nr. 01/18 Dated 25/01/2018 Printed on 25/01/2018 Page n. 1/10					
Information Sheet SECTION 1. Identification of the substance/mixture and of the company/undertaking							
1.1. Product identifier		такінд					
Product name 1.2. Relevant identified uses of the substance or n	Raphael Art Pigments Violett						
Intended use	Dispersible pigment in aqueous solution, oils and resins						
1.3. Details of the supplier of the safety data sheet Name	Deffner & Johann GmbH						
Full address District and Country	Mühläckerstr. 13, 97520 Röthlein Germany						
	tel.004909723 9350-0						
e-mail address	info@deffner-johann.de						
1.4. Emergency telephone number	tel.004909723 9350-0 (Hours: 8.00-12.00/14.00-15.00)						
SECTION 2. Hazards identification							

2.1. Classification of the substance or mixture The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

Flazard classification and indication: Not classified

--

2.2. Label elements

Flazard pictograms: ---Signal words:

Hazard statements:

Precautionary statements:

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

Raphael Art Pigments Violett

Revision nr. 01/18

Dated 25/01/2018 Printed on 25/01/2018

Page n. 2/10

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant

3.2. Mixtures

Contains: Identification	x = Cone. %	Classification 1272/2008 (CLP)
Calcium Sulphate		
CAS 7778-18-9	$60 \le x < 65$	Substance with a community workplace exposure limit
EC 231-900-3		
INDEX -		
Calcium Carbonate		
CAS 471-34-1	$30 \le x < 35$	Substance with a community workplace exposure limit
EC 207-439-9		
INDEX -		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

Not specifically necessary. Observance of good industrial hygiene is recommended.

4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

4.3. Indication of any immediate medical attention and special treatment needed

Follow doctor's orders.

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.

Raphael Art Pigments Violett

Revision nr. 01/18 Dated 25/01/2018

Printed on 25/01/2018

Page n. 3/10

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal firefighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

If there are no contraindications, spray powder with water to prevent the formation of dust. Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product and place it in containers for recovery or disposal. If the product is flammable, use explosion-proof equipment. If there are no contraindications, use jets of water to eliminate product residues.

Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

7.2. Conditions for safe storage, including any incompatibilities

Keep only in the original container. Keep the containers tightly closed. Keep the product in clearly labeled containers. Keep containers away from incompatible materials, checking section 10.

7.3. Specific end use(s)

See section 1.2.

			deff	ner	δ Jol		Dated 25/01/2018
			Raphael Art Pigments Violett				Printed on 25/01/2018 Page n. 4/10
SECTION	l 8. Exposu	re contro	Is/personal	protectio	n		
8.1, Control	parameters						
Regulatory Ref	erences:						
EU	TLV-ACGIH	ł	ACGIH 2	017			
Calcium Sul Threshold L							
Туре		Country	TWA/8h		STEL/15min		
			mg/m3	ppm	mg/m3	ppm	
TLV-ACGIH			10				INHAL
Calcium Car Threshold L							
Туре		Country	TWA/8h		STEL/15min		
			mg/m3	ppm	mg/m3	ppm	
TLV-ACGIH			10				INHAL
TLV-ACGIH			3				RESP
classified (PNC	DC respirable fra hosen according	ction: 3 mg/m	3; PNOC inhala	ble fraction: 1			e levels for inert particulate not otherwise nits, use a P type filter, whose class (1, 2
Comply with th	e safety measure	es usually app	blied when hand	ling chemical s	substances.		
HAND PROTE None required.	CTION						
SKIN PROTEC None required.	TION						
EYE PROTEC None required.							
	Y PROTECTION Itering facemask		s (1, 2 or 3) and	effective need	l, must be defined	d according to the ou	utcome of risk assessment (see standard
ENVIRONMEN	ITAL EXPOSUR	E CONTROL	S				
The emissions environmental		anufacturing p	processes, inclu	ding those ger	erated by ventilat	tion equipment, shou	uld be checked to ensure compliance with

Raphael Art Pigments Violett

Revision nr. 01/18 Dated 25/01/2018

Printed on 25/01/2018

Page n. 5/10

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	р
Colour	V
Odour	n
Odour threshold	N
PH	n
Melting point / freezing point	n
Initial boiling point	n
Boiling range	n
Flash point	N
Evaporation Rate	n
Flammability of solids and gases	N
Lower inflammability limit	N
Upper inflammability limit	N
Lower explosive limit	N
Upper explosive limit	N
Vapour pressure	n
Vapour density	n
Relative density	N
Solubility	In
Partition coefficient: n-octanol/water	n
Auto-ignition temperature	N
Decomposition temperature	N
Viscosity	n
Explosive properties	N
Oxidising properties	N

owder /iola no odour lot available not applicable not applicable not applicable not applicable Not inflammable. not applicable Not inflammable. Not inflammable. Not inflammable. Not explosive. Not explosive. not applicable not applicable Not available nsoluble in water ot applicable Not self-igniting. Not available not applicable Not explosive. Not available

9.2. Other information

No other information.

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

Calcium carbonate: Stable under normal conditions. Decomposes above 825 ° with CO2 development and CaO formation.

10.3. Possibility of hazardous reactions

Dangerous reactions are not expected under normal use and storage conditions.

Calcium carbonate: Reacts with acids with CO2 formation.

10.4. Conditions to avoid

Avoid environmental dust build-up.

10.5. Incompatible materials

Avoid contact with acids, strong alkalis.

Raphael Art Pigments Violett

Revision nr. 01/18

Dated 25/01/2018 Printed on 25/01/2018

Page n. 6/10

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released.

Calcium carbonate: Reacts with acids with CO2 formation.

SECTION 11. Toxicological information

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good Industrial practices.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture: Not classified (no significant component) LD50 (Oral) of the mixture: Not classified (no significant component) LD50 (Dermal) of the mixture: Not classified (no significant component)

Calcium Carbonate LD50 (Oral) > 6450 mg/kg Rat

Calcium Solphate LD50 (Oral) > 1581 mg/kg Rat LC50 (Inhalation) > 2,61 mg/l Rat

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

Raphael Art Pigments Violett

Revision nr. 01/18

Dated 25/01/2018 Printed on 25/01/2018

Page n. 7/10

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

No data available.

Raphael Art Pigments Violett

Revision nr. 01/18

Dated 25/01/2018 Printed on 25/01/2018

Page n. 8/10

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Solid residues may be suitable for disposal in an authorised landfill site. CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

None

Substances in Candidate List (Art. 59 REACH)

Raphael Art Pigments Violett

Revision nr. 01/18

Dated 25/01/2018 Printed on 25/01/2018

Page n. 9/10

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisarion (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road

- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATADGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- · RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

Raphael Art Pigments Violett

Revision nr. 01/18

Dated 25/01/2018 Printed on 25/01/2018

Page n. 10/10

GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- Regulation (EC) 1272/2008 (CLP) of the European Parliament
 Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- 4. Regulation (EU) 2015/830 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament 7
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP) The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanita) Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on howto use chemical products.