

# Safety Data Sheet

referring to Regulation (EC) Nr. 1907/2006 (REACH)



Name: SR-FAI01-OG (Orangegel)

Side1 of 7

Modified: 03. March 2020  
Print Date: 03. March 2020

SDB-Nr. 157\_20200305  
Version: 3.0.0

## SR-FAI01-OG (Orangegel)

### 1. Identification of the substance/mixture and of the company/undertaking

1.1	Product identifier REACH Registration No.	SR-FAI01-OG (Orangegel) A registration number for this product is not present, because the product or its use according to Regulation (EG) Nr. 1907/2006 (REACH), Article 2 excluded from the registration, or the annual tonnage does not require a registration or the registration is scheduled for a later date
1.2	Relevant identified uses of the substance or mixture, and uses advised against	Adsorbent
1.3	Details of the supplier of the Safety Data Sheet	FST GmbH Im Teelbruch 106 45219 Essen Deutschland ☎ +49(0)2054-8735-0 Fax: +49(0)2054-8735-100 <a href="mailto:sds@fstweb.de">sds@fstweb.de</a>
1.4	Emergency telephone number	+49(0)2054-8735-0 Office time Mo-Fr 08:00 – 17:00

### 2. Hazards identification

2.1	Classification according to Directive (EC) Nr. 1999/45 Classification according to Regulation (EC) Nr. 1272/2008, appendix VII	R52/53 H412 Harmful to aquatic life with long lasting effects
2.2	Labelling according to Regulation (EC) Nr. 1272/2008 Signal word Hazards statements Precautionary statements	The product is not subject to labelling according to EC-Regulation  Inapplicable H412 Harmful to aquatic life with long lasting effects P273 Avoid release to the environment; P501 Dispose of contents/container in accordance with regional, national and European legislation
2.3	Other Hazards	None

### 3. Composition/Information on ingredients

3.1 Substances				
Dangerous substance	EG-Number	CAS No.	Weight % content	Classification
C.I. Basic Violet 3	208-953-6	548-62-9	0,9	Xn R22-40; Xi R41; N R50/53; Carc.: Cat 2, H351; Acute Tox.: Cat 4, H302; Eye Dam.: Cat 1, H318; Aquatic Acute: Cat 1, H400;

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				Aquatic Chronic: Cat 1, H410
Substance				
Silicon dioxide	231-545-4	7631-86-9		
<b>3.2 Mixture</b>				
<u>Ingredient declaration according to Regulation (EC) Nr. 1272/2008:</u>				
Substance without classification can be have country-specific workplace exposure limits				
<u>Ingredient declaration according to Directive (EC) Nr. 1999/45 :</u>				
Inapplicable				
Substance without classification can be have country-specific workplace exposure limits				
For full text R+S-phrases or H+P-statements see section 16				

## 4. First aid measures

<b>4.1</b>	Description of first aid measures	
	Generell notes	In case of accident or if you fell unwell, seek medical advice immediately
	Following inhalation	Supply fresh air; consult doctor in case of symptoms
	Following skin contact	Instantly wash with water and soap and rinse thoroughly
	Following eye contact	Rinse cautiously with water or eye-cleaning solution for several minutes; keeping lids wide open; get medical attention
	Following ingestion	If symptoms persist, get medical attention
<b>4.2</b>	Most important symptoms and effects, both acute and delayed	No further relevant information available
<b>4.3</b>	Indication of any immediate medical attention and special treatment needed	See description of first aid measures

## 5. Firefighting measures

<b>5.1</b>	Extinguishing media	
	Suitable extinguishing media	CO2, extinguishing powder or water jet; fight larger fires with water jet or alcohol-resistant foam
	Unsuitable extinguishing media	None known
<b>5.2</b>	Special hazards arising from the substance or mixture	No further relevant information available
<b>5.3</b>	Advice for firefighters	Dispose of fire debris and contaminated fire fighting water in accordance with official regulations; do not breath fire gases; if necessary use respiratory protection

## 6. Accidental release measures

<b>6.1</b>	Personal precautions, protective equipment and emergency procedures	Use personal protective equipment; keep away unprotected persons
<b>6.2</b>	Environmental precautions	No specials measures required, do not allow to enter drainage systems, surface or ground water; do not allow to enter the ground/soil
<b>6.3</b>	Methods and material for containment and cleaning up	Collect mechanically and avoid dust formation; dispose of contaminated materials as waste according to section 13
<b>6.4</b>	Reference to other sections	Notes see section 7, 8 and 13

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7. Handling and storage		
7.1	Precautions for safe handling	Keep containers tightly sealed
7.2	Conditions for safe storage, including any incompatibilities	Use only containers specifically permitted for this product; keep container tightly sealed; store in cool, dry conditions in well sealed containers; country-specific requirements for the storage of materials that are slightly polluting substance should be noted; Precautions against fire and explosion: follow general rules of industrial protection
7.3	Specific end use(s)	No further relevant information available

8. Exposure controls/personal protection			
8.1 Control parameters			
	Ingredients	Type	mg/m <sup>3</sup> Category
	Aamorphous silica	MAK	4E The lists that were valid during the compilation were used as basis
8.2 Exposure controls			
	Appropriate engineering controls	No further information	
	Eye and face protection	Safety glasses	Safety glasses according to EC 166:2001
	Skin protection	Protective gloves	Wear gloves for protection against chemical hazards according to EN 388; the selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer; recommended: Nitrile rubber NBR or Butyl rubber BR, thickness $\geq 0,11$ mm; Penetration time of glove material: EN 420 – Minimum requirements for efficiency level 1 for all groups, 480 minutes penetration time according to EN 374, Part 3: Level 6; check the condition of the gloves prior to each use; preventive skin protection by use of skin-protecting agents is recommended; after use of gloves apply skin-cleaning agents and skin cosmetics
		Other protective measurres	Protective work clothing
	Respiratory protection	Particulate filters P2 / FFP2	Use breathing protection in case of insufficient ventilation
	Thermal Hazards	Inapplicable	
	General protective and hygienic measures	The usual precautionary measures should be adhered to in handling the chemicals	

9. Physical and chemical properties		
9.1 Information on basic physical and chemical properties		
	Appearance (physical state, colour)	Solid, Perls, Orange

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Odor	Odorless
Odor threshold	Inapplicable
pH	6
Melting point/Freezing point	1700°C
Initial boiling point and boiling range	2230°C
Flash point	Not applicable
Evaporation rate	Inapplicable
Flammability (solid, gas)	Product is flammable
Upper/lower flammability or explosive limits	Inapplicable
Vapour pressure	Inapplicable
Vapour density	Inapplicable
Relative density	0,8 g/cm <sup>3</sup>
Solubility(ies)	Not soluble
Partition coefficient: n-octanol/water	Experimentel not determined
Auto-ignition temperature	Experimentel not determined
Decomposition temperature	Experimentel not determined
Viscosity	Experimentel not determined
Explosive properties	Product is non-explosive
Oxidising properties	Experimentel not determined
9.2 Other information	Other physical and chemical parameters have not been determined

10. Stability and Reactivity	
10.1 Reactivity	No decomposition if used according to specifications
10.2 Chemical stability	No determined
10.3 Possibility of hazardous reactions	No dangerous reactions known
10.4 Conditions to avoid	No further relevant information available
10.5 Incompatible materials	Reacts with acids
10.6 Hazerdous decomposition products	None known

11. Toxicological information	
11.1 Information on toxicological effects for mixtures	
Acute toxicity	
Aamorphous silica	Oral LD50 >7900 mg/kg (rat)
C.I. Basic Violet 3	Oral LD50 420 mg/kg (rat)
Irritation	No irritation effect to the skin; no irritation effect to the eye
Corrosivity	None
Sensitisation	No sensitizing effect known
Repeated dose toxicity	Experimentel not determined
Carcinogenicity	Experimentel not determined
Mutagenicity	Experimentel not determined

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Toxicity for reproduction Other toxicity information	Experimental not determined  When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us; the product is not subject to classification according to EC lists in the last version
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12. Ecological information	
12.1 Toxicity	No data available
Fish toxicity	Experimental not determined
Water flea toxicity	Experimental not determined
Algae toxicity	Experimental not determined
Bacterial toxicity	Experimental not determined
12.2 Persistence and degradability	Experimental not determined
12.3 Bioaccumulative potential	Experimental not determined
12.4 Mobility in soil	Experimental not determined
12.5 Results of PBT and vPvB assessment	The product does not meet the criteria for classification as PBT or a vPvB
12.6 Other adverse effects	Water hazard class 1: slightly hazardous for water; do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system

13. Disposal considerations	
13.1 Waste treatment methods	The product should be disposed in line with regional, national and European legislation; must not be disposed of together with household garbage; do not allow product to reach sewage system
Waste codes (EWC/EAK)	The disposal must be done in accordance with the waste management legislation; EWC waste codes are industry and process specific, therefore waste classification has to be done by the waste producer
Packaging	Disposal must be made according to official regulations

14. Transport information	
14.1 UN-Number	Not classified as a dangerous good according to EC-Regulation
14.2 UN proper shipping name	Inapplicable
14.3 Transport hazard class(es)	Inapplicable
Hazard label	Inapplicable
14.4 Packing group	Inapplicable
14.5 Environmental hazards	Inapplicable
14.6 Special precautions for user	See section 6-8
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Inapplicable

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## 15. Regulatory information

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

Hazard pictograms	The product does not require a hazard warning label in accordance with EC Directives
Signal word	Inapplicable
Contains	Amorphous silica, C.I. Basic Violet 3
Hazards statements	H412 Harmful to aquatic life with long lasting effects
Precautionary statements	P 273 Avoid release to the environment; P501 Dispose of contents/container in accordance with regional, national and European legislation
National regulations (Germany)	WGK = 1 (VwVws Appendix I from 30.07.2005): slightly hazardous for water

15.2 Chemical Safety Assessment	No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier
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## 16. Other information

Full text of Hazard Information, Hazard Statements and Precautionary Statements, referred to the section 2 and 3	Xn Harmful; Xi Irritant; N Dangerous for the environment; R22 Harmful if swallowed; R40 Limited evidence of a carcinogenic effect; R41 Risk of serious damage to eyes; R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment; R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment; H302 Harmful if swallowed; H318 Causes serious eye damage; H351 Suspected of causing cancer; H400 Very toxic to aquatic life; H412 Harmful to aquatic life with long lasting effects; P 273 Avoid release to the environment; P501 Dispose of contents/container in accordance with regional, national and European legislation
Training advice	Provide adequate information, instruction and training of users
Literature references and source for data	More product information: product data sheets under <a href="http://www.fstweb.de">www.fstweb.de</a>
More Information	The highlighted chapter number in bold indicate chapter changes compared to the previous version. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Because data, safety standards and government regulations can be changed and the use and handling provisions are beyond our control we can't guarantee the completeness or continuing accuracy of the information. All conditions relating to storage, handling and use of the product are beyond our control. Holder and user of this product are solely responsible for these circumstances.

### Abbreviations and acronyms

**67/548/EWG (DSD)** - Dangerous Substances Directive / Richtlinie gefährliche Stoffe; Aufgehoben durch EG Nr. 1272/2008 **1999/45/EG (DPD)** - Dangerous Preparations Directive / Richtlinie gefährliche Zubereitungen); Aufgehoben durch EG Nr. 1272/2008 **ADR** - Accord européen sur le

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transport des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road) / Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße **AGW** - Arbeitsplatzgrenzwert / Occupational Exposure Limit Value **AGS** - Ausschuss für Gefahrstoffe / Committee for Hazardous substances **Allg. Staubg** - Allgemeiner Staubgrenzwert / General dust limit **Alveo** - Alveolengängige Fraktion / Respirable fraction **AND** - Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) / Verordnung über die internationale Beförderung gefährlicher Güter im Schiffsverkehr **a.n.g.** - anderweitig nicht genannt / not elsewhere defined **AVV** - Abfallverzeichnis-Verordnung (Verordnung über das Europäische Abfallverzeichnis) / Waste Catalogue Ordinance **BAW** - Betriebsanweisung / Working instruction **CAS** - Chemical Abstracts Service / Internationaler Bezeichnungsstandard für chemische Stoffe **DNEL** - Derived No Effect Level / Abgeleitetes Null-Effekt-Niveau **EC50** - mittlere akute effektive Konzentration / Median acute effective concentration **EG Nr. 648/2004/EG** - Regulation on Detergents / Verordnung über Detergenzien / **EG Nr. 790/2009** - Regulation on Classification, Labelling, and Packaging of Substances and Mixtures / Verordnung über die Einstufung, Kennzeichnung und Verpackung von Stoffen und Gemischen und zur Änderung der Richtlinie EG Nr. 1272/2008 **EG Nr. 1272/2008 (CLP)** - Regulation on Classification, Labelling, and Packaging of Substances and Mixtures / Verordnung über die Einstufung, Kennzeichnung und Verpackung von Stoffen und Gemischen und zur Änderung der Richtlinie EG Nr. 1907/2006 auch **GHS** Verordnung - Globally Harmonized System of Classification and Labeling of Chemicals genannt **EG Nr. 1907/2006 (REACH)** - Registration, Evaluation, Authorisation of Chemicals / Registrierung, Bewertung und Zulassung von Chemikalien **EINECS** - European Inventory of Existing Commercial Chemical Substances / Europäisches Verzeichnis der im Handel erhältlichen Stoffe (Altstoffe) **ELINCS** - European List of Notified Chemical Substances / Europäisches Verzeichnis der auf dem Markt vorhandenen chemischen Stoffe (Neustoffe) **EN 166:2001** - Persönlicher Augenschutz / Personal eye protection **EN 374** - Schutzhandschuhe gegen Chemikalien und Mikroorganismen / Protective gloves against chemicals and microorganisms **EN 388** - Schutzhandschuhe gegen mechanische Risiken / Protective gloves against mechanical risks **EN 420** - Schutzhandschuhe - Allgemeine Anforderungen und Prüfverfahren / Protective gloves - General requirements and test methods **ESIS** - European chemical substances information system / Europäisches Informationssystem für chemische Stoffe **EAK/EWC** - Europäischer Abfallkatalog / European Waste Catalogue **Erzeugnis** - Gegenstand, der bei der Herstellung eine spezifische Form, Oberfläche oder Gestalt erhält, die in größerem Maße als die chemische Zusammensetzung seine Funktion bestimmt / article - means an object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition **FFP1 / P1** - Einweg / Atemschutzmasken für feste gesundheitsschädliche fibrogene Partikel und flüssige Aerosole bis zum 4-fachen der maximalen Arbeitsplatzkonzentration / Disposable / Respirator for solid harmful fibrogenic particels and liquid aerosols up to 4-fold maximum Occupational Exposure Limit Value **FFP2 / P2** - Einweg / Atemschutzmasken für feste und rauchförmige, mindergiftige Partikel sowie flüssige Aerosole bis zum 10-fachen der maximalen Arbeitsplatzkonzentration / Disposable / Respirator for solid and smoke-like, less toxic particels and liquid aerosols up to 10-fold maximum Occupational Exposure Limit Value **FFP3 / P3** - Einweg / Atemschutzmasken für feste, giftige Partikel sowie flüssige Aerosole bis zum 30-fachen der maximalen Arbeitsplatzkonzentration / Disposable / Respirator for solid, toxic particle and liquid aerosols up to 30-fold maximum Occupational Exposure Limit Value **GHS** - siehe EG Nr. 1272/2008 / see EG Nr. 1272/2008 **GefStoffV** - Gefahrstoffverordnung / Ordinance on Hazardous Substances, Germany **Gemisch** - Gemenge, Gemische oder Lösungen, die aus zwei oder mehr Stoffen bestehen / mixture - means a mixture or solution composed of two or more substances **HZVA** - Herstellung, Zubereitung, Vertrieb, Anwendung / production, preparation, distribution, usage **IMDG** - International Maritime Code for Dangerous Goods / Gefahrgutkennzeichnung für gefährliche Güter im Schiffsverkehr **IARC** - International Agency for Research on Cancer / Internationale Agentur für Krebsforschung **IBC** - International Bulk Chemical Code (Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk) / Vorgaben für die Beförderung gefährlicher Chemikalien und gesundheitsschädlicher Flüssigkeiten als Massengut in der Seeschifffahrt **IUCLID** - International Uniform Chemical Information Database / International einheitliche Datenbank für Informationen über chemische Stoffe **LC50** - mittlerer letale Konzentration / Lethal Concentration to 50% of a test population **LD50** - mittlere letale Dosis / Lethal Dose to 50% of a test population **MAK** - maximale Arbeitsplatzkonzentration / Maximum Occupational Exposure Limit Value **MARPOL 73/78** - Annex II of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto / Internationales Übereinkommen zur Verhütung der Meeresverschmutzung durch Schiffe **NOEC** - no observed effects concentration / höchste Konzentration eines Stoffes **NOEL** - no observed effects level / höchste Dosis eines Stoffes **OECD** - Organisation for Economic Co-operation and Development / Organisation für wirtschaftliche Zusammenarbeit und Entwicklung **OSHA** - Occupational Safety and Health Administration / Arbeitsschutzbehörde des Vereinigten Staaten **PBT** - potentially persistent, bioaccumulative and toxic / persistent, bioakkumulierend und toxisch **PEC** - predicted environmental concentration / Vorausgesagte wahrscheinliche Konzentration **PEL** - (OSHA) Permissible Exposure Limit / Zulässige Kontaktgrenze der OSHA **PNEC** - predicted no-effect concentration / Vorausgesagte auswirkungslose Konzentration **ppm** - parts per million / Teile von einer Million **RID** - Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) / Verordnung über die internationale Eisenbahnbeförderung gefährlicher Güter **SDB** - Sicherheitsdatenblatt / **SDS** - Safety Data Sheet **Stoff** - chemisches Element und seine Verbindungen in natürlicher Form oder gewonnen durch ein Herstellungsverfahren / substance - means a chemical element and its compounds in the natural state or obtained by any manufacturing process **TG (401)** - Test Guideline (401) / Test Richtlinie (401) **TLV-TWA** - Threshold Limit Values-Time Weighted Average (American Conference of Governmental Hygienists, 1999) / die zeitgewichtige Durchschnittskonzentration für einen normalen 8-Stunden-Tag und eine 40-Stunden-Woche, der fast alle Arbeiter wiederholt, Tag für Tag, ausgesetzt sein dürfen, ohne negative Auswirkungen zu erleiden / the time-weight average concentration for a normal 8-hour workday and a 40-hour week, which almost all workers repeatedly, day after day, may be exposed without suffering adverse effects) **TRGS 900** - Technische Regel für Gefahrstoffe (Arbeitsplatzgrenzwerte) / Technical rules for hazardous substances (Occupational Exposure Limit Value) **TRGS 510** - Lagerung von Gefahrstoffen in ortsbeweglichen Behältern / Storage of hazardous substances in nonstationary containers **vPvB** - potentially very persistent and very bioaccumulative / besonders persistent und bioakkumulierend **VwVwvs** - Allgemeine Verwaltungsvorschrift zur Änderung der Verwaltungsvorschrift wassergefährdender Stoffe / General administrative regulation to amend the administrative regulation of water endangering substances **WEL** - Workplace Exposure Limits **WHG** - Wasserhaushaltsgesetz / Federal Water Act **WGK** - Wassergefährdungsklasse / Water Hazard Class

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