

SAFETY DATA SHEET (EC 1907/2006)**Dentsply Sirona Universal Spray Glaze
Dentsply Sirona Univ. Spray Glaze Fluo**

Version: 1.1 / GB
Revision date: 09.11.2020
Issue date: 04.06.2020
replaces version: 1.0
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Material no.
Specification 187855
VA-Nr 01906948

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

Trade name Dentsply Sirona Universal Spray Glaze
Dentsply Sirona Univ. Spray Glaze Fluo
REACH Registration No.: if available listed in Chapter. 3

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

Relevant applications identified For dental use only.

1.3. Details of the supplier of the safety data sheet

Company DeguDent GmbH
Postfach 1364
D-63403 Hanau
Telephone +49 (0)6181/59-5576
Telefax +49 (0)6181/59-5879
Email address SDB.Degudent-DE@dentsplysirona.com

1.4. Emergency telephone number

Emergency information +49 (0)6181/59-50 (This telephone number is available during office hours only.)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Aerosols Category 1 H222, H229
Eye irritation Category 2 H319

2.2. Label elements**Labelling as per (EU) 1272/2008**

Statutory basis EU-CLP as per Regulation (EU) No. 1272/2008, Annex VI
Hazard pictograms



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Signal word	Danger
Hazard statement	H222 - Extremely flammable aerosol. H229 - Pressurised container: May burst if heated. H319 - Causes serious eye irritation.
Precautionary statement: Prevention	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source. P251 - Do not pierce or burn, even after use. P271 - Use only outdoors or in a well-ventilated area.
Precautionary statement: Reaction	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Precautionary statement: Storage	P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

2.3. Other hazards

Risk of bursting when overheated., Do not heat above 50 °C., Inhalation of ceramic dust (quartz dust) can cause silicosis.

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

SECTION 3: Composition/information on ingredients**Chemical nature**

The mixture contains:, Vitreous porcelain

3.1. Substances

-

3.2. Mixtures**Information on ingredients / Hazardous components as per EU-CLP Regulation (EC) No. 1272/2008**

• propan-2-ol		>= 10% - <= 20%			
CAS-No.	67-63-0	EC-No.	200-661-7		
Flammable liquids				Category 2	H225
Serious eye damage/eye irritation				Category 2	H319
Specific Target Organ Toxicity - Single exposure				Category 3	H336
• isobutane		>= 60% - <= 80%			
CAS-No.	75-28-5	EC-No.	200-857-2		
Flammable gases				Category 1	H220
Gases under pressure				Type C	H280

Texts of H phrases, see in Chapter 16

SECTION 4: First aid measures**4.1. Description of first aid measures**

Health injuries are not known or expected under normal use.

The following actions are those for any chemicals which have no obvious health effects.

Take care of your own personal safety.

Move out of dangerous area.

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Inhalation

If spray mist has been inhaled
Move victims into fresh air.
If symptoms persist, call a physician.

Skin contact

Product is generally not a skin irritant.
Upon skin contact, wash with plenty of water and soap.
In the case of skin irritation or allergic reactions see a physician.

Eye contact

Rinse thoroughly with plenty of water keeping eyelid open.
In case of persistent discomfort: Consult an ophthalmologist.
Possible discomfort is due to foreign substance effect.

Ingestion

Ingestion by swallowing is not considered a possible mode of exposure.
Have the mouth rinsed with water.

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

Symptoms

No information available.

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

No hazards which require special first aid measures.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO₂)
powder
Water spray jet

Unsuitable extinguishing media: not known

5.2. Special hazards arising from the substance or mixture

Formation of flammable or explosive vapour/air mixtures possible.
Combustible air-vapour mixtures are heavier than the air and spread along the floor. Ignition from a considerable distance is possible.

5.3. Advice for firefighters

wear a self contained respiratory apparatus

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Ventilate the area.

6.2. Environmental precautions

Stop gas leak if this can be done at no risk., Prevent substance from entering sewers, cellars, trenches, pits or other places in which a collection of gas could be dangerous

6.3. Methods and material for containment and cleaning up

Absorb mechanically avoiding production of dust.

6.4. Reference to other sections

Wear personal protective equipment; see section 8.
Disposal considerations; see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

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Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep away from children.

7.2. Conditions for safe storage, including any incompatibilities**Advice on protection against fire and explosion**

Product is flammable.

Do not spray on a naked flame or any incandescent material.

Keep away from open flames, hot surfaces and sources of ignition.

Storage

Keep in a cool, well-ventilated place.

BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.

Store in original container.

German storage class

2B - Aerosols

7.3. Specific end use(s)

We are unaware of any specific end uses which go beyond the data reported in Section 1.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

• propan-2-ol			
CAS-No.	67-63-0	EC-No.	200-661-7
Control parameters	500 ppm 1250 mg/m ³		Short Term Exposure Limit (STEL):(EH40 WEL)
Control parameters	400 ppm 999 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)

8.2. Exposure controls**Engineering measures**

Ensure that there is suitable air extraction / ventilation in the workplace or at the working machines. If necessary extractor suction on specific objects.

Personal protective equipment**Respiratory protection**

Do not inhale aerosol., Dust protection mask in accordance with EN 149 FFP2

Hand protection

not required, Avoid contact with skin, eyes and clothing.

Eye/face protection

Tightly fitting safety goggles

Hygiene measures

The usual precautionary measures for dealing with chemicals should be observed. No eating, drinking, smoking, or snuffing tobacco at work. Wash face and/or hands before break and end of work.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Appearance**

Form	aerosol
Colour	off-white

Odour	characteristic
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Odour threshold:	no data available
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pH	not applicable
Melting point/range	580 °C
Boiling point/range	-11 °C Related to substance: isobutane
Flash point	not applicable
Evaporation rate	no data available
Flammability (solid, gas)	Flammable gas.
Lower explosion limit	1.8 %(V)
Upper explosion limit	12 %(V)
Vapour pressure	3000 hPa (20 °C)
Vapour density	no data available
Density	not determined
Relative density	no data available
Water solubility	immiscible
Partition coefficient: n-octanol/water	no data available
Autoinflammability	not auto-flammable
Viscosity, dynamic	not applicable
Viscosity, kinematic	not applicable
Explosiveness	Risk of bursting when overheated., Do not heat above 50 °C.

9.2. Other information

Ignition temperature	460 °C
Metal corrosion	no data available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Vapours may form explosive mixture with air.

10.2. Chemical stability

Under normal conditions: stable.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Heating can release vapours which can be ignited., In use, may form flammable/explosive vapour-air mixture.

10.4. Conditions to avoid
temperatures: > 50 °C

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Risk of bursting when overheated.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

None known

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Animal experiment studies focusing on this formulation are not available.

Acute oral toxicity	no data available
Acute inhalation toxicity	no data available
Acute dermal toxicity	no data available
Skin irritation	no data available
Eye irritation	Product dust may cause temporary mechanical eye irritation.
Sensitization	no data available
Assessment of STOT single exposure	Based on available data, the classification criteria are not met.
Assessment of STOT repeat exposure	Based on available data, the classification criteria are not met.
Risk of aspiration toxicity	No aspiration toxicity classification

SECTION 12: Ecological information**12.1. Toxicity**

Ecotoxicological tests with this preparation are not available.

12.2. Persistence and degradability

Biodegradability no data available

12.3. Bioaccumulative potential

Bioaccumulation The availability of the substance for bioaccumulation in natural bodies of water is clearly limited due to its pronounced tendency to volatilize.

12.4. Mobility in soil

Mobility No data available

12.5. Results of PBT and vPvB assessment

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

12.6. Other adverse effects

Further Information May cause long-term adverse effects in the aquatic environment.

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**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Product**

Disposal according to local authority regulations.

Uncleaned packaging

Disposal according to local authority regulations.

SECTION 14: Transport information**Transport on land (ADR/RID/GGVSEB)**

14.1. UN number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2
14.4. Packing group:	--
14.5. Environmental hazards:	--
14.6. Special precautions for user:	Yes

ADR: Tunnel Restriction Code: (D)

Inland waterway transport (ADN/GGVSEB (Germany))

14.1. UN number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2
14.4. Packing group:	--
14.5. Environmental hazards:	--
14.6. Special precautions for user:	No

Air transport ICAO-TI/IATA-DGR

14.1. UN number:	UN 1950
14.2. UN proper shipping name:	Aerosols, flammable
14.3. Transport hazard class(es):	2.1
14.4. Packing group:	--
14.5. Environmental hazards:	--
14.6. Special precautions for user:	Yes

IATA-C: ERG-Code 10L
IATA-P: ERG-Code 10L

Sea transport IMDG-Code/GGVSee (Germany)

14.1. UN number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2.1
14.4. Packing group:	--
14.5. Environmental hazards:	--
14.6. Special precautions for user:	No

EmS: F-D,S-U

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
for transportapproval see regulatory information

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National legislation****15.2. Chemical safety assessment**

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Chemical safety assessment No Chemical Safety Report as per Articles 2(8), 2(9) or 14 of the REACH Regulation is required for this product.

SECTION 16: Other information**Classification and applied procedure to derive the classification of mixtures according to EU Regulation (EC) No. 1272/2008 (CLP)**

Classification	Classification procedure
Aerosol, 1 , H222, H229 Eye Irrit., 2 , H319	

Relevant H phrases from chapter 3

H220 : Extremely flammable gas.
H225 : Highly flammable liquid and vapour.
H280 : Contains gas under pressure; may explode if heated.
H319 : Causes serious eye irritation.
H336 : May cause drowsiness or dizziness.

Further information

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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Legend

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ASTM	American Society for Testing and Materials
ATP	Adaptation to Technical Progress
BCF	Bioconcentration factor
BetrSichV	German Ordinance on Industrial Safety and Health
c.c.	closed cup
CAS	Chemical Abstract Services
CESIO	European Committee of Organic Surfactants and their Intermediates
ChemG	German Chemicals Act
CMR	carcinogenic-mutagenic-toxic for reproduction
DIN	German Institute for Standardization
DMEL	Derived minimum effect level
DNEL	Derived no effect level
EINECS	European Inventory of Existing Commercial Chemical Substances
EC50	half maximal effective concentration
GefStoffV	German Ordinance on Hazardous Substances
GGVSEB	German ordinance for road, rail and inland waterway transportation of dangerous goods
GGVSee	German ordinance for sea transportation of dangerous goods
GLP	Good Laboratory Practice
GMO	Genetic Modified Organism
IATA	International Air Transport Association

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ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
ISO	International Organization For Standardization
LOAEL	Lowest observed adverse effect level
LOEL	Lowest observed effect level
NOAEL	No observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
o. c.	open cup
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, bioaccumulative, toxic
PEC	Predicted effect concentration
PNEC	Predicted no effect concentration
REACH	REACH registration
RID	Convention concerning International Carriage by Rail
STOT	Specific Target Organ Toxicity
SVHC	Substances of Very High Concern
TA	Technical Instructions
TPR	Third Party Representative (Art. 4)
TRGS	Technical Rules for Hazardous Substances
VCi	German chemical industry association
vPvB	very persistent, very bioaccumulative
VOC	volatile organic compounds
VwVwS	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
WGK	Water Hazard Class
WHO	World Health Organization