

SAFETY DATA SHEET (EC 1907/2006)

Interaction Antagon Paste Opaque
Antagon Interaction Paste Opaque
Interaction Sakura Paste Opaque
Sakura Interaction Paste Opaque
Interaction Carrara Paste Opaque
Carrara Interaction Paste Opaque

DeguDent
A Dentsply Company

Material no.		Version	1.3 / GB
Specification	172954	Revision date	01.12.2014
VA-Nr	01,699,502	Print Date	01.12.2014
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Chemical nature

The mixture contains:
Vitreous porcelain
Pigments

• butane-1,3-diol

CAS-No.	107-88-0	EC-No.	203-529-7
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4. First aid measures

4.1. Description of first aid measures

Take off all contaminated clothing immediately.

Inhalation

Provide fresh air, seek medical advice if necessary.

Skin contact

Wash off with plenty of water and soap, seek medical advice if necessary.

Eye contact

Rinse thoroughly with plenty of water keeping eyelid open.

Seek medical advice.

Ingestion

Clean mouth with water and drink afterwards plenty of water.

Consult a physician immediately.

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

Symptoms

None known

Hazards

None known

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

Symptomatic treatment.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: All extinguishing substances suitable.

5.2. Special hazards arising from the substance or mixture

Do not inhale decomposition gases or noxious gases.

5.3. Advice for firefighters

The product itself does not burn.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment.

Handle in accordance with good industrial hygiene and safety practices.

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6.2. Environmental precautions

Introduction into soil, natural water bodies or sewerage must be prevented.

6.3. Methods and material for containment and cleaning up

Use mechanical handling equipment.

Dispose of contaminated material as a waste in a correct manner.

6.4. Reference to other sections

Wear personal protective equipment; see section 8.

Disposal considerations; see section 13.

7. Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes.

Handle in accordance with good industrial hygiene and safety practices.

7.2. Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion

Normal measures for preventive fire protection.

Storage

Keep container tightly closed and dry.

German storage class

13 - Non Combustible Solids

7.3. Specific end use(s)

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

8. Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Engineering measures

In case product dust is released:

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

In case product dust is released:

Dust mask with P2 particle filter

Hand protection

Wear protective gloves made of the following materials: rubber or plastics.

Suitability for specific workplaces should be clarified with protective glove manufacturers.

Eye protection

Safety glasses with side-shields

Hygiene measures

Avoid contact with skin, eyes, and clothing.

Preventive skin protection is recommended.

Do not eat, drink, smoke, or sniff while at work. Wash your hands and/or face before breaks and before termination of work.

Immediately change moistened and saturated work clothes.

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Protective measures

Handle in accordance with good industrial hygiene and safety practices.
If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Form	paste
Colour	depending on staining result

Odour	odourless
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Lower explosion limit	1.8 %(V) butane-1,3-diol
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Upper explosion limit	15.7 %(V) butane-1,3-diol
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Density	1.8 - 2.0 g/cm ³
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Water solubility	partly soluble
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Autoinflammability	Not capable of spontaneous combustion or heating.
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9.2. Other information

Ignition temperature	375 °C
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Other information	No further physicochemical data were determined.
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10. Stability and reactivity

10.1. Reactivity

no data available

10.2. Chemical stability

Under normal conditions: stable.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
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10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

11. Toxicological information

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11.1. Information on toxicological effects

Animal experiment studies focusing on this formulation are not available.

Acute oral toxicity	LD50 Rat: 18610 mg/kg Test substance: butane-1,3-diol
Acute inhalation toxicity	no data available
Acute dermal toxicity	LD50 Rabbit: > 20000 mg/kg Test substance: butane-1,3-diol
Skin irritation	Rabbit slight irritation Test substance: butane-1,3-diol
Eye irritation	Rabbit slight irritation Test substance: butane-1,3-diol
Sensitization	no data available
Repeated dose toxicity	no data available
Mutagenicity assessment	no data available
Carcinogenicity	No data available
Toxicity to reproduction	No data available
Human experience	Health injuries are not known or expected under normal use.

12. Ecological information

12.1. Toxicity

No ecotoxicological data is available for this product.

12.2. Persistence and degradability

Biodegradability no data available

12.3. Bioaccumulative potential

Bioaccumulation no data available

12.4. Mobility in soil

Mobility No data available

12.5. Results of PBT and vPvB assessment

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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

Do not allow entrance in sewage water and soil.

13. Disposal considerations

13.1. Waste treatment methods

Product

Disposal according to local authority regulations.

Uncleaned packaging

Disposal according to local authority regulations.

14. Transport information

Not dangerous according to transport regulations.

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

15. Regulatory information

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

National legislation

15.2. Chemical safety assessment

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.

16. Other information

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
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

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WHO

World Health Organization