

# SAFETY DATA SHEET (EC 1907/2006)

**in:joy Cervical Modifier**

**in:joy Incisal**

**in:joy Transpa Accent**

**in:joy Dentin**

Version:	<b>1.1 / GB</b>	Material no.	<b>5450141030</b>
Revision date:	<b>11.12.2017</b>	Specification	<b>187766</b>
Issue date:	30.11.2016	VA-Nr	<b>01785104</b>
replaces version:	1.0		
Page:	<b>1 / 8</b>		



## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name	in:joy Cervical Modifier in:joy Incisal in:joy Transpa Accent in:joy Dentin
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.
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### 1.3. Details of the supplier of the safety data sheet

Company	DeguDent GmbH Postfach 1364 D-63403 Hanau
Telephone	+49 (0)6181/59-5767
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.)
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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Skin Sensitisation	Category 1	H317
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### 2.2. Label elements

**Labelling as per (EU) 1272/2008**

#### hazard-defining component(s) (GHS)

- 1,12-Dodecanediol dimethacrylate
- 2,2'-Ethylenedioxydiethyl dimethacrylate

Hazard pictograms



Signal word	Warning
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Hazard statement	H317 - May cause an allergic skin reaction.
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Precautionary statement	P261 - Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection. P362 - Take off contaminated clothing and wash before reuse. P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention. P302 + P352 - IF ON SKIN: Wash with plenty of water/ soap.
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Issue date: 30.11.2016 VA-Nr 01785104  
replaces version: 1.0  
Page: 2 / 8



## 2.3. Other hazards

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:, Methacrylates

### 3.1. Substances

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### 3.2. Mixtures

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

<b>• 1,12-Dodecanediol dimethacrylate</b>		<= 5%	
CAS-No.	72829-09-5	EC-No.	276-900-4
Eye irritation		Category 2	H319
Specific Target Organ Toxicity - Single exposure		Category 3	H335
Skin irritation		Category 2	H315
Skin Sensitisation		Category 1	H317
<b>• 2,2'-Ethylenedioxydiethyl dimethacrylate</b>		<= 5%	
CAS-No.	109-16-0	EC-No.	203-652-6
Skin Sensitisation		Category 1B	H317

Texts of H phrases, see in Chapter 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation

See that there is fresh air.

If symptoms persist, call a physician.

#### Skin contact

Wash off with plenty of water and soap immediately.

#### Eye contact

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

#### Ingestion

Clean mouth with water and drink afterwards plenty of water.

Seek medical advice if symptoms occur.

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

#### Symptoms

None known

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

Symptomatic treatment.

## SECTION 5: Firefighting measures

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replaces version:	1.0		
Page:	3 / 8		



## 5.1. Extinguishing media

Suitable extinguishing media: Water spray, foam, CO2, dry powder.  
Adapt fire-extinguishing measures to surroundings

## 5.2. Special hazards arising from the substance or mixture

May be released in case of fire: toxic gases/vapours.

## 5.3. Advice for firefighters

No special protective equipment required.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

No special measures are required.

### 6.2. Environmental precautions

Prevent substance from entering soil, natural bodies of water and sewer systems.

### 6.3. Methods and material for containment and cleaning up

In case of larger quantities:

Absorb with liquid-binding material (e.g. inert absorbent kieselguhruniversal binder) pick up.

With small amounts:

Wipe up with absorbent material (e.g. cloth, fleece).

### 6.4. Reference to other sections

Wear personal protective equipment; see section 8.

Disposal considerations; see section 13.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Keep container tightly closed.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Storage

#### Further information

Keep in a cool place.

#### German storage class

11 - 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.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Personal protective equipment

#### Hand protection

As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use., Breakthrough time is not determined for the product. Change gloves often!, Recommendation:, Use gloves once only., Wear protective gloves made of the following materials:., butyl-rubber, Nitrile rubber, Suitability for specific workplaces should be clarified with protective glove manufacturers.

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replaces version:	1.0		
Page:	4 / 8		



## Eye/face protection

Avoid contact with eyes., Recommendation:, Safety glasses with side-shields

## Skin and body protection

Avoid contact with skin., suitable protective clothing recommended, Long sleeved clothing

## Hygiene measures

Remove immediately all contaminated clothing., Keep away from food and drink., Do not eat, drink, smoke, or sniff while at work. Wash your hands and/or face before breaks and before termination of work.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Form	pasty
Colour	depending on staining result

Odour	odourless
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Odour threshold:	no data available
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pH	no data available
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Melting point/range	no data available
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Boiling point/range	250 °C
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Flash point	101 °C
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Evaporation rate	no data available
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Flammability (solid, gas)	not applicable
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Lower explosion limit	no data available
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Upper explosion limit	no data available
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Vapour pressure	40 hPa
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Density	1.45 g/cm <sup>3</sup>
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Water solubility	partly miscible
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Partition coefficient: n-octanol/water	no data available
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Autoinflammability	Not capable of spontaneous combustion or heating.
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Thermal decomposition	no data available
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Viscosity, dynamic	no data available
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Viscosity, kinematic	no data available
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Explosiveness	Not explosive as defined by EU hazardous substance law.
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Oxidizing properties	no data available
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replaces version:	1.0		
Page:	<b>5 / 8</b>		



## 9.2. Other information

Ignition temperature no data available

Other information No further physicochemical data were determined.

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

no data available

### 10.2. Chemical stability

The product is chemically stable.

### 10.3. Possibility of hazardous reactions

Stability No hazardous reactions are known if properly handled and stored.

### 10.4. Conditions to avoid

No decomposition if used as directed.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known., The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is noticeably exceeded, the product may polymerise with heat evolution., Stable under recommended storage conditions.

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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 no data available

Sensitization May cause an allergic skin reaction.

Assessment of STOT single exposure no data available

Assessment of STOT repeat exposure no data available

Risk of aspiration toxicity no data available

Mutagenicity assessment no data available

Carcinogenicity no data available

Toxicity to reproduction no data available

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replaces version:	1.0		
Page:	<b>6 / 8</b>		

**SECTION 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**

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, soil stretches of water, groundwater, drainage systems., Danger to groundwater and drinking water.

**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**

**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

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

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replaces version:	1.0		
Page:	7 / 8		



## National legislation

employment restriction

Note employment restrictions for pregnant and lactating women., Note employment restrictions for minors.

## 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.

## 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
Skin.sens., 1 , H317	

### Relevant H phrases from chapter 3

H315 : Causes skin irritation.  
H317 : May cause an allergic skin reaction.  
H319 : Causes serious eye irritation.  
H335 : May cause respiratory irritation.

### Further information

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

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

### 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

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replaces version:	1.0		
Page:	<b>8 / 8</b>		



<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>EC50</b>	half maximal effective concentration
<b>GefStoffV</b>	German Ordinance on Hazardous Substances
<b>GGVSEB</b>	German ordinance for road, rail and inland waterway transportation of dangerous goods
<b>GGVSee</b>	German ordinance for sea transportation of dangerous goods
<b>GLP</b>	Good Laboratory Practice
<b>GMO</b>	Genetic Modified Organism
<b>IATA</b>	International Air Transport Association
<b>ICAO</b>	International Civil Aviation Organization
<b>IMDG</b>	International Maritime Dangerous Goods
<b>ISO</b>	International Organization For Standardization
<b>LOAEL</b>	Lowest observed adverse effect level
<b>LOEL</b>	Lowest observed effect level
<b>NOAEL</b>	No observed adverse effect level
<b>NOEC</b>	no observed effect concentration
<b>NOEL</b>	no observed effect level
<b>o. c.</b>	open cup
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	Occupational Exposure Limit
<b>PBT</b>	Persistent, bioaccumulative, toxic
<b>PEC</b>	Predicted effect concentration
<b>PNEC</b>	Predicted no effect concentration
<b>REACH</b>	REACH registration
<b>RID</b>	Convention concerning International Carriage by Rail
<b>STOT</b>	Specific Target Organ Toxicity
<b>SVHC</b>	Substances of Very High Concern
<b>TA</b>	Technical Instructions
<b>TPR</b>	Third Party Representative (Art. 4)
<b>TRGS</b>	Technical Rules for Hazardous Substances
<b>VCI</b>	German chemical industry association
<b>vPvB</b>	very persistent, very bioaccumulative
<b>VOC</b>	volatile organic compounds
<b>VwVwS</b>	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
<b>WGK</b>	Water Hazard Class
<b>WHO</b>	World Health Organization