



ACKURETTA

MATERIAL SAFETY DATA SHEET

Section 1: Identification

Product Name: Ackuretta CURO Gingiva

Chemical Name/Synonyms: Additive plastic

Application: Methacrylate-based resin 3D printing systems with 385 nm or 405 nm light sources for fabrication of dental spacers.

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MSDS Date of preparation: 13th of July, 2020

Section 2: Hazard(s) Identification

Classification of substance or mixture according to Regulation (EC) No. 1272/2008:

Skin Irrit.	Cat 2	H315
Eye Irrit.	Cat 2	H319
Skin Sens.	Cat 1	H317
STOT SE	Cat 3	H335

Directive 67/548/EEC: Xi; R36 , Xi; R38 , Xi; R37 , -; R43

Pictograms:



Signal Word(s): Warning

Hazard Statements:

Hazard warnings:

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

Safety Tips:

P264.1	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P321	Specific treatment. Please refer to Section 4: First-Aid Measures of this document).
P332+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

Other hazards: NA

Classification according to Directive 67/548/EEC or 1999/45/EC Hazard symbols

Hazard Symbols:



R-phrases

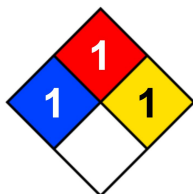
- Xi Irritant.
- 36 Irritating to eyes.
- 37 Irritating to respiratory system.
- 38 Irritating to skin.
- 43 May cause sensitization by skin contact.

S-phrases

- 20/21 When using do not eat, drink or smoke.
- 28.2 After contact with skin, wash immediately with plenty of water and soap.

Classification according to NFPA Hazard Identification System

Hazard symbol:



- Health hazard: 1
- Flammability: 1
- Reactivity: 1

Special precautions:

Classification according to HMIS (Hazardous Materials Identification System)

Hazard symbol:

Bisphenol A-ethoxylat (2 EO/Phenol) Dimethacrylat	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	B

- Health hazard: 1
- Flammability: 1
- Physical hazards: 1
- Personal protective equipment: B

Section 3: Composition/Information on Ingredients

Substances: This product is a mixture
Mixtures: Composition/information on ingredients.

Reagent	Percentage	Classification according to Regulation (EC) No. 1272/2008	Hazard class and category	
Bisphenol A-ethoxylat (2 EO/Phenol) Dimethacrylat	41637-38-1	H315; H317; H319; H335	Skin Irrit. 2; Skin Sens. 1; Eye Irritant 2; STOT SE 3.	Xi ; R36/37/38 -; R43

Section 4: First Aid Measures

General information: Immediately remove stained and soaked clothing. If symptoms are present or in case you are in any doubt, seek medical advice. If the person loses consciousness, put them in the recovery position and seek medical advice immediately..

After inhalation: Make sure that there is fresh air. If the product irritates the respiratory tract, consult a doctor immediately.

After contact with skin: Wash out and rinse with plenty of soap and water.

After contact with eyes: In the event of contact with the eyes, immediately remove contact lenses and rinse with running water for 10-15 minutes while keeping the eyes open. Consult an eye specialist as soon as possible.

After swallowing: Never administer something orally to an unconscious person or someone who is experiencing cramps. Consult a doctor immediately. Do not induce vomiting.

The most significant acute and delayed occurring symptoms and impact

Skin contact: May cause an allergic skin reaction.

Information about emergency medical aid or special treatment

Note for the physician: Treat symptomatically.

Section 5: Fire-Fighting Measures

Solvents

Suitable solvents: Dry extinguishing powder; Dry sand.

Unsuitable solvents: Excess water.

Particular hazards arising from substance or mixture: In case of fire: Wear self-contained breathing apparatus. Coordinate fire-fighting measures to the fire surroundings.

Information for fire-fighting

Safety precautions during fire-fighting: No actions should be taken without appropriate training or which are associated with personal risk.

Particular protective equipment for fire-fighters: In case of fire: Wear self-contained breathing apparatus. Do not inhale explosion and combustion gases. Coordinate fire-fighting measures to the fire surroundings.

Section 6: Accidental Release Measures

Personal precautions: Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation.

Measures for environmental protection: Do not allow to enter into water or drains.

Measures for cleaning/collecting: Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Spillages must be collected and disposed of in accordance with the information in Section 13.

Reference to other sections: Reference to other sections: For information on personal protective equipment, see Section 8. Section 13 contains information about waste disposal.

Section 7: Handling and Storage**Safety precautions for safe handling**

Safety precautions during use: Avoid contact with the eyes and skin. Wash contaminated skin thoroughly after handling. The hands and all contaminated parts of the body must be washed with soap and water before leaving the factory premises. Keep away from heat, sparks and open flame. Mechanical suction is required if dust is discharged during handling. Open and handle containers with care. At work, wear suitable safety equipment in the event of longer exposure and/or high concentrations of vapors, spray or mist.

General work hygiene measures: When using the product, do not eat, drink or smoke.

Conditions for safe storage, taking cases of incompatibility into account

Safety precautions for storage: Store in a cool and dry place in a tightly sealed original container. Store at temperatures between 5°C and 30°C. Keep away from frost and direct sunlight. Keep away from hot surfaces, sparks, open flames and other types of ignition sources. Do not smoke.

Specific end uses

Intended end use(s): The intended uses of this product are described as the application in Section 1.

Section 8: Exposure Controls/Personal Protection

Parameters to be monitored: No maximum allowable concentration(s) is/are known for the ingredient(s).

Limitation and monitoring of exposure**Protective equipment**

Suitable technical controller: Adequate room ventilation and local aspiration must be ensured. The maximum allowable concentration of the product or ingredients must be observed.

Eye/face protection: Eye protection corresponding to a recognized standard should be worn if a risk assessment shows that eye contact is possible. The following personal protective clothing should be worn: Chemical safety goggles. Wear close-fitting chemical safety goggles or face protection.

Hand protection: Wear protective gloves. In accordance with the data specified by the protective glove manufacturers, it is required while using them to check whether the gloves maintain their repellent properties and to change them as soon as damage is detected. In the case of exposure up to 8 hours, protective gloves made of the following material must be worn: Nitrile rubber.

Other skin and personal protection: Avoid contact with the skin. Wear suitable clothing to prevent possible skin contact.

Hygiene measures: Wash contaminated skin thoroughly after handling. Before removing the clothing, wash contaminated clothing and skin immediately with plenty of water. Immediately remove all contaminated garments and wash before wearing them again. Contaminated work clothing should not be allowed out of the workplace. When using the product, do not eat, drink or smoke.

Respiratory protection: If ventilation is inadequate, suitable respiratory protection must be worn. Wear a protective mask with full face protection and the following filter cartridge: Filter against organic vapors. Highly effective particle filters.

Section 9: Physical and Chemical Properties

Appearance: Liquid

Odor: Specific
Color: Various
Melting point/freezing point: Not determined
Initial boiling point and boiling range: Not determined
Flash point: >150°C
Inflammability (solid, gaseous): Not determined
Upper/lower inflammability or explosion limits: Not determined
Vapor pressure: Not determined
Relative density: 1.1g/cm³
Solubility: Insoluble in water.
Viscosity: Approx. 700-1200 Pa s
pH: Not determined

Section 10: Stability and Reactivity

Reactivity: No information is available
Chemical stability: No information is available
Possible hazardous reactions: No information is available
Conditions to avoid: Reaction with light, risk of polymerization
Incompatible materials: Reaction with peroxides and rad. Compounds
Hazardous decomposition products: Unstable products can polymerize spontaneously

Section 11: Toxicological Information

Bisphenol A-ethoxylat (2 EO/Phenol) Dimethacrylat
Acute toxicity – oral LD50: No information available
Acute toxicity – dermal LD50: No information available
Acute toxicity – inhalative LC50: No information available
Caustic/irritant effect on the skin: Does not cause irritation
Severe eye damage/irritation: Does not cause irritation
Respiratory tract sensitization: No information available
Skin sensitization: Sensitizing
Germ cell mutagenicity: ?
Carcinogenicity: No information available
Reproductive toxicity: ?
Specific target organ toxicity (repeated exposure): No information available

Section 12: Ecological Information (non-mandatory)

Toxicity
Bisphenol A-ethoxylat (2 EO/Phenol) Dimethacrylat
Acute toxicity - fish: LC50, 96 hours: 10.1 mg/l, Brachydanio rerio (zebrafish)
Acute toxicity - invertebrate aquatic animals: EC50, 48 hours: >1.2 mg/l, Daphnia magna
Acute toxicity - aquatic plants: NOEC, 72 hours: 0.21 mg/l, Desmodismus subspicatus
Acute toxicity - microorganisms: NOEC, 14 days: >=36.1 mg/l, activated sludge
Results of PBT and vPvB assessment: No information available

Section 13: Disposal Instructions

Proper disposal/product: Disposal in accordance with regulatory requirements.
Proper disposal/packaging: May be disposed of in accordance with local regulatory requirements.
Ecology - waste materials: Avoid discharge into the environment

Section 14: Transport Information (non-mandatory)

UN number: none
Proper UN shipping name: none
Transport hazard classes: No dangerous goods pursuant to transportation regulations.
Packaging group: none
Environmental hazards: none
Special precautions for transport: none
Bulk transport in accordance with Annex II of the MARPOL Convention 73/79 pursuant to IBC Code: No

Section 15: Regulatory Information (non-mandatory)

Regulations on safety, health and environmental protection/specific laws for the substance or mixture
EU regulations
Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).
Regulation (EC) No 2037/2000 concerning materials, which cause damage to the ozone layer.
Regulation (EC) No. 648/2004 (Detergents regulation) National regulations: Observe in addition any national regulations.
Restrictions of occupation Storage class: 10 Combustible liquids unless LGK 3A or 3B.

Water hazard class (WGK): 1 weak water pollutant (WGK 1)

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Audio shell

Other regulations, restrictions and prohibition regulations

Chemical Safety Assessment: For this preparation a chemical safety assessment has been carried out.

Section 16: Other Information

Text of H, R, and EUH phrases (number and full text)

H phrases

Text

H315

Causes skin irritation

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.

R phrases

Text

36

Irritating to eyes.

37

Irritating to respiratory system.

38

Irritating to skin.

43

May cause sensitization by skin contact.

Training tips: Only trained personnel should use this product.

Recommended restriction(s) on use: No special measures are required.

Data sources: REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No. 1907/2006.

Further information: REJECTION OF LIABILITY We have obtained the information in this data sheet from sources that we consider reliable. The accuracy of expressed or implied information cannot be guaranteed. The conditions or methods for handling, storage, use or disposal of the product are beyond our control and possibly also our knowledge. For these and other reasons, we accept no responsibility and expressly reject liability for any losses, damage or costs that may arise from handling, storage, use or disposal of the product or that may be associated therewith in any way. This Safety Data Sheet was created for this product and may only be used for this product. If the product is used as a component of another product, the information indicated in the data sheet may not apply.

This information is based on our current knowledge and should only describe the product with regard to health, safety and environmental conditions. It must therefore not be construed as a guarantee for any specific property of the product.