

Safety Data Sheet

Rev 02 09/2024

TD.04.15

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CRS® Custom Ortho Model Resin According to Regulation (EU) No

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade Name: Custom Resin Solutions Ortho Model Resin

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

Identified Uses: Light-curable one-component material for fabricating crown and bridge, study models, thermoforming applications & high temperature thermoforming applications.

1.3. Details of the supplier of the safety data sheet Manufacturer: CRSCAM TEKNOLOJİ A.S.

Manufacturer Address: Gunes Mah. Sehit Astsubay Omer Halis Demir Cad. No: 102 AA Kepez/
Antalya/ Turkey

E-mail: info@crscam.com

Competent person: betul@pimgrup.com

1.4. Emergency telephone number

Crscam Teknoloji A.S.

info@crscam.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Sens. 1 H317: May cause an allergic skin reaction.

Eye Irrit. 2 H319: Causes serious eye irritation.

Skin Irrit. 2 H315: Causes skin irritation.

2.2. Label elements

Hazard pictograms:



Signal word: DANGER

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Hazard statements:

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H315: Causes skin irritation.

Precautionary statements:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/ eye protection/ face protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see supplemental first aid instructions on this label).

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

P501 Dispose of contents/ container to an approved waste disposal plant.

2.3. Other hazards

Results of PBT and vPvB assessment:

PBT- Not applicable.

vPvB- Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

N/A

3.2. Mixtures

Description: Multi Component Mixture

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SUBSTANCES	CAS NUMBER	EINECS/ELICS NUMBER	CONCENTRATION (%)	HAZARD STATEMENT CODE(S)
Methacrylate Oligomer	Trade Secret	Trade Secret	10 - 90	Skin Irrit. 2; H315 Eye Irrit. 2; H319
Methacrylate Monomer	Trade Secret	Trade Secret	5 - 10	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335
Photo initiators	Trade Secret	Trade Secret	0,1 - 5	Skin Sens. 1A; H317 Aquatic Chronic 4; H413

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation of a large amount of vapour: remove casualty to fresh air and take deep breaths of air. In case of respiratory tract irritation, consult a physician.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash before re-use. In case of skin irritation, consult a physician.

After contact with eyes

Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open to ensure that the entire surface is flushed. Do not put any ointments, oils or medication.

Seek medical advice.

After ingestion

Rinse mouth thoroughly with water and give 2-3 glasses of water to drink. Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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

Irritation.

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

No data available

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media Suitable extinguishing media

Coordinate firefighting measures to the fire surroundings water spray, foam, dry extinguishing powder, carbon dioxide (CO₂).

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: carbon monoxide (CO), carbon dioxide (CO₂), carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.

Additional information

Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with substance. Emergency responders should wear personal protection equipment: see section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. If required, notify relevant authorities according to all applicable regulations.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Avoid generation of vapour. Clean contaminated objects and areas thoroughly and dispose contaminated material as waste: section 13.

6.4. Reference to other sections

Safe handling: see section 7.

Disposal: see section 13

Personal Protection Equipment: see section 8

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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Keep away from heat. Avoid contact with skin and eyes. Ensure good ventilation/exhaustion at the workplace. Any unavoidable deposit of dust must be regularly removed

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

General protection and hygiene measures: See section 8.

7.2. Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations.

Store in original container in a dry, cool and ventilated, sheltered from direct sunlight.

Keep away from incompatible materials (see SECTION 10), food and beverages. Keep container closed and sealed until use.

Use appropriate container to avoid release to the environment.

7.3. Specific end use(s)

See section 1.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values. Hazardous components without workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

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Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance (Physical state (solid, liquid, gas)); Liquid

Appearance (Color (clear liquid, light green, etc.)); Gray

9.2. Odor (such as solvent, program); Odorless

9.3. Viscosity, Specify Unit @ (20°C); 200-250 mPas DIN 53211-4

9.4. Density, gr/cm³ @ (20 °C); 1.1 gr/cm³ DIN 51757

9.5. Other information

No data available

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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not reactive if used according to specifications.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous reactions will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

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STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

No data available.

12.2. Persistence and degradability

Not data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal recommendations

Do not dispose of the mixture into the sewage system. Keep residues in sealed, steel containers.

Classify waste as hazardous. Disposal of used packages: packaging waste recycling / disposal must be carried out according to applicable regulations. Only completely emptied packages may be recycled.

Classification of this waste type observes the requirements for hazardous waste.

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SECTION 14: TRANSPORT INFORMATION

There is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID), therefore no classification is required.

14.1. UN number

No special transport required

14.2. UN proper shipping name

No special transport required.

14.3. Transport hazard class(es)

No special transport required

14.4. Packing group

No special transport required

14.5. Environmental hazards

Harmful to aquatic life with long lasting effects.

14.6. Special precautions for user

None

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

14.8. Finished packaged product transported by air (IATA)

Not applicable.

SECTION 15: ADDITIONAL REGULATORY INFORMATION

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

- REGULATION (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
- COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

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SECTION 16: OTHER INFORMATION

This information is provided for documentation purposes only.

This product is not considered hazardous under normal conditions of use.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein believed to be true and accurate. However, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of information, the hazards connected with the use of material or the results to be obtained from the use thereof. Compliance with all applicable federal, state and local laws and local regulations remains the responsibility of the user. This material safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees.