

SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Printing date: 27.03.2015

1. Identification of the substance/preparation and of the company/undertaking

Product details :

1.1. Trade name

NEW EXTRA CATALYST

1.2. Application of the substance / the preparation Filler/ Extender
Adhesive System

1.3. Manufacturer/Supplier

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1.4. Information in case of emergency

Ospedale Niguarda di Milano-Centro antiveneni numero di emergenza +39 02 66101029

2. Hazards identification

2.1. Hazard description

2.2. Information concerning to particular hazards to man and environment

2.3. Classification system

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xi Irritant R36/37/38, R36/38, R43, R11, H242, H317, H319, H410

For the full text of the R-phrases mentioned in this Section, see Section 16.

3. Composition/information on ingredients

3.1. Description/CAS No./Dangerous components

Hazardous component

Chemical	CAS #	Quantity % wt	Classification
Urethane Dimethacrylate (UDMA)	72869-86-4	30-40	Xi R43
Bisphenol A Ethoxylate Dimethacrylate	41637-38-1	15-25	Xi R36/37/38; Xi R43
Triethylene glycol dimethacrylate (TEGDMA)	109-16-0	10-20	Xi R36/37/38; Xi R43
2 - Hydroxyethyl Methacrylates (HEMA)	868-77-9	25-35	Xi R36/38; Xi R43

SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Printing date: 27.03.2015

Camphoroquinone (CQ)	10373-78-1	<1	-
Benzoyl peroxide	94-36-0	<2	H242, H317, H319,H410

3.2. Mixture

Mixture of UDMA,TEGDMA, HEMA, methacrylate monomers in ethyl alcohol, with initiators, stabilizers and UV absorber

4.First aid measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact : Wash off with soap and plenty of water. Consult a physician.

In case of eye contact :Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

no data available

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

no data available

6.Accidental release measures

6.1. Person-related safety precautions

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Evacuate personnel to safe areas.

For personal protection see section 8.

6.2 Environmental precautions

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Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. Handling and storage

7.1. Information for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 3 - 28 °C Light sensitive.

7.3 Specific end use(s)

A part from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure controls and personal protection gear

8.1. Ingredients with limit values that require monitoring at the workplace

Components with 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: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: butyl-rubber

Minimum layer thickness: 0,3 mm

Break through time: 480 min

Material tested: Butoject® (KCL 897 / Aldrich Z677647, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,4 mm

Break through time: 30 min

Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M)

test method: EN374

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If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose 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.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Form: liquid

Odour: characteristic

Odour Threshold: no data available

pH no data available

Melting point/freezing point no data available

Initial boiling point and boiling range no data available

Flash point: about 78 °C

Evaporation rate: no data available

Flammability (solid, gas) no data available

Upper/lower flammability or explosive limits: no data available

Vapour pressure: no data available

Vapour density: no data available

Colour yellowish

Density 1.0-1.2 g/cm³ (20°C)

Solubility solubility in water

9.2 Other safety information

no data available

10. Thermal decomposition / conditions to be avoided

10.1 Reactivity

no data available

10.2 Chemical stability

Stable under recommended storage conditions.

Contains the following stabiliser(s): Mequinol (≥ 80 - ≤ 120 ppm)

10.3 Possibility of hazardous reactions

no data available

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10.4 Conditions to avoid

May polymerize on exposure to light.

10.5 Incompatible materials

Strong bases, Strong oxidizing agents

10.6 Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

11.Toxicological information

11.1. Acute toxicity

LD50 Oral - rat - 10.837 mg/kg

TDLo Oral - rat - 7.889 mg/kg

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: The product causes irritation of eyes, skin and mucous membranes.

Respiratory or skin sensitisation : no data available

Germ cell mutagenicity : no data available

Carcinogenicity

Reproductive toxicity :no data available

Specific target organ toxicity - single exposure

Inhalation : May cause respiratory irritation.

Specific target organ toxicity - repeated exposure : no data available

Aspiration hazard : no data available

12.Ecological information

12.1.General note

Toxicity :no data available

12.2 Persistence and degradability

no 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

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

no data available

12.2.Water /enviroment hazard

SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Printing date: 27.03.2015

no data available

13. Disposal considerations

13.1. Product

Recommendation:

Offer surplus and non-recyclable solutions to a licensed disposal company.

13.2. Uncleaned packaging:

Recommendation

Dispose of as unused product

14. Transport information

14.1. UN Number

ADR/RID: - IMDG: - IATA: 3334

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: 9

14.4 Packaging group

ADR/RID: - IMDG: - IATA: III

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

no data available

14.7. Transport/Additional information

15.Regulations

15.1.Labelling according to EU guidelines

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

no data available

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16.Other information

Full text of R-phrases referred to under sections 2 and 3

Xi Irritant

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R36/37/38 Irritating to eyes, respiratory system and skin.

R36/38 Irritating to eyes and skin.

R43 May cause sensitisation by skin contact.

R11 Highly flammable

H242 Heating may cause a fire.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation

H410 Very toxic to aquatic life with long lasting effects.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.