

2. Fyzikální/chemické/mikrobiologické vlastnosti, nečistoty, stopy zakázaných látek, toxikologický profil ingrediencí (látek nebo směsí)

Ingredience: Hydroxypropyl Methacrylate

INCI Name: HYDROXYPROPYL METHACRYLATE

Description: -

INN Name: -

Ph.Eur.Name: -

CAS No.: 27813-02-1

EC No: 248-666-3

Chemical/IUPAC Name: 2-Propenoic acid, 2- methyl-, Monoester with 1,2-Propanediol

Cosmetic Restriction: -

Other Restriction(s): -

Functions: FILM FORMING

SCCS opinions: -

Physical / chemical characteristics, purity:

Liquid, colourless, slight acrylic odour.

Melting point: 96 °C

Boiling point: 250 °C

Specific gravity (20 °C): 1.066 g/ml

Solubility in water: Limited solubility

Purity:

Assay: 100 %

Traces of prohibited substances: Not present

Microbiological specifications: Expected values for bacteria, yeast and moulds ≤ 100 CFU/g, absent E.coli, P.aeruginosa, S.aureus, Salmonella spp.

Toxicological profile:

Acute toxicity:

LD50 (oral, rat): 6 ml/kg

LD50 (dermal, rat): > 2000 mg/kg

Skin Contact: mild irritation.

Eye irritation: irritating

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

<http://www.chem.agilent.com/Library/msds/STD006%20Polymethylmethacrylate.pdf>

DATA for Polymethyl Methacrylate

The NOAEL of polymethyl methacrylate is expected above the value for the monomer. NOAEL of methyl methacrylate (rat in drinking water) is determined as 136mg/kg bw/day

<http://www.epa.gov/iris/subst/1000.htm>

Exposure: see section 7

Ingredience: Di-Hema Trimethylhexyl Dicarbamate

INCI Name: DI-HEMA TRIMETHYLHEXYL DICARBAMATE

Description: -

INN Name: -

Ph. Eur. Name: -

CAS No: 41137-60-4 / 72869-86-4

EINECS/ELINCS No: 276-957-5

Chemical/IUPAC Name: 11,14-Dioxa-2,9-diazaheptadec-16-enoic Acid, 4,4,6,16-tetramethyl-10,15-dioxo,2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl ester

Cosmetic Restriction: -

Other Restriction(s): -

Functions: FILM FORMING

SCCS opinions: -

Physical / chemical characteristics, purity:

Transparent liquid, colourless or yellowish colour, odourless.