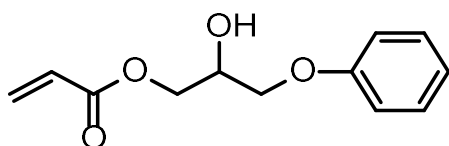


ARONIX[®] M-5700

2-hydroxy-3-phenoxypropyl acrylate

Chemical structure



2-hydroxy-3-phenoxypropyl acrylate

Description

Molecular Weight: 222 (Main component)

Functionality: 1

Appearance: Liquid

Product data

| | |
|-------------------------|----------|
| Color (APHA) | < 100 |
| Viscosity (mPa·s/25°C) | 140~190 |
| Residual (%) | < 0.1 |
| Acid value (mgKOH/g) | < 0.5 |
| Relative density (/°C) | 1.162/25 |
| Surface tension (mN/m) | 44.3 |
| Reflective index (nD25) | 1.530 |

Features

- Monomer of containing -OH group
- High curability
- Good flexibility

Application

- Adhesive
- Pressure sensitive adhesive
- Coating
- Monomer for copolymerization
- Optical materials
- Raw material for urethane acrylate

Safety data

| | |
|-------------------------|----------------|
| P.I.I. | 0.9 |
| Flash point (°C) | 133 Open – cup |
| Inhibitor as MEHQ (ppm) | 540 |

Properties of cured film

| | |
|--|----------|
| Tensile strength (kg/cm ²) | 1.2 |
| Elongation (%) | 200-300 |
| Tg (°C) | 17 |
| Relative density (/°C) | 1.260/25 |
| Cure shrinkage (%) | 7.81 |
| Shore hardness | D45 A90 |

Registration

| | |
|---------------|---------------|
| Japan (METI) | Listed |
| USA (TSCA) | Listed |
| EU (REACH) | Not supported |
| China (IECSC) | Listed |
| Korea (ECL) | Listed |
| K-REACH | Not supported |
| Taiwan | Listed |

Package

18kg C/N
200kg D/M

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