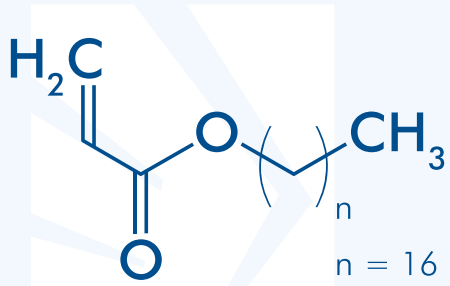
Technical Data Sheet

Heptadecyl Acrylate C17A (C17A)

Acrylic acid ester, for manufacturing polymers and for use as a feed stock for syntheses



CAS # 1473386-36-5

EINECS # 607-133-00-3

MOLECULAR FORMULA

$C_{20}H_{38}O_2$

MOLAR MASS

310.5 g/mol

PRODUCT SPECIFICATION

Properties	Typical	Method
Assay	min 94 %	Gas chromatography
Water content	max 0.1 %	ASTM E 203
Acid content (calc. as acrylic acid)	max 0.05 %	ASTM D 1613
Color on dispatch	max 100	APHA, ASTM D 1209
Standard stabilization	175 ±25 ppm MEHQ	HPLC

The aforementioned data shall constitute the agreed contractual quality of the product at the time of passing of risk. The data are controlled at regular intervals as part of our quality assurance program. Neither these data nor the properties of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No liability of ours can be derived therefrom.

OTHER PROPERTIES

Properties	Typical	Method
Appearance	Clear, colorless	
Physical form	Liquid	
Density @ 25 °C	0.87 g/cm³	
Melting point	< -100 °C	
Boiling point	> 174 °C	
Ignition temperature	234 °C	
Vapor pressure @ 32 °C	0.000125 hPa	
Viscosity	11 mPAS · s	

Jamorin has Material Safety Data Sheets (MSDS) for each products. The MSDS contain relevant information needed to safeguard your employees from any known safety and health hazard related with our products. Jamorin provides you MSDS for all the products you evaluate or buy. It is also necessary that you get copies of the MSDS of the other raw materials recommended in our technical bulletins from the suppliers. Your employees should have ready access to and to be trained well on the proper use of MSDS

Jamorin International Limited
Reg. 5453322. VAT GB863308815

35 Berkeley Square, Mayfair
London, W1J 5BF, UK

tel.: +44 (0) 20 7692 0753
fax: +44 (0) 20 7692 0754

info@jamorin.com
www.jamorin.com

JAMORIN International

Heptadecyl Acrylate C17A (C17A)

APPLICATIONS

Heptadecyl Acrylate (C17A) forms homopolymers and copolymers. Copolymers of Heptadecyl Acrylate (C17A) can be prepared with (meth)acrylic acid and its salts, amides and esters, and with methacrylates, acrylonitrile, maleic acid esters, vinyl acetate, vinyl chloride, vinylidene chloride, styrene, butadiene, unsaturated polyesters and drying oils, etc. Heptadecyl Acrylate (C17A) is also a very useful feedstock for chemical syntheses, because it readily undergoes addition reactions with a wide variety of organic and inorganic compounds.

FEATURES & BENEFITS

Heptadecyl Acrylate (C17A) is a monofunctional monomer with a characteristic high reactivity of acrylates and a branched hydrophobic chain.. Heptadecyl Acrylate (C17A) can be used to impart the following properties to polymers:

- Hydrophobicity
- Low Shrinkage
- Chemical resistance
- Flexibility
- Adhesion
- Weatherability

STORAGE & HANDLING

In order to prevent polymerization, Heptadecyl Acrylate (C17A) must always be stored under air, and never under inert gases. The presence of oxygen is required for the stabilizer to function effectively. It has to contain a stabilizer and the storage temperature must not exceed 35 °C. Under these conditions, a storage stability of one year can be expected upon delivery. In order to minimize the likelihood of overstorage, the storage procedure should strictly follow the «first-in-first-out» principle.

The preferred construction material for tanks and pipes is stainless steel. Carbon steel is also acceptable, although the formation of rust may be a problem with product quality (color). Iron(III)-ions have been shown to be a weak polymerization initiator. If carbon steel is to be used, special procedures should be used to prepare the tank for use. Storage tanks, pumps and pipes should be earthed.

SAFETY

A Safety Data Sheet has been compiled for Heptadecyl Acrylate (C17A) that contains up-to-date information on questions relevant to safety.

PACKAGING

It can be purchased in bulk and 200L drum. Special packing can be arranged.

NOTE

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

Jamorin International Limited
Reg. 5453322. VAT GB863308815

35 Berkeley Square, Mayfair
London, W1J 5BF, UK

tel.: +44 (0) 20 7692 0753
fax: +44 (0) 20 7692 0754

info@jamorin.com
www.jamorin.com