

Technical Data Sheet

Butyl Acrylate



CAS No.: 141-32-2

EINECS No. 205-480-7

C₇H₁₂O₂ MOLECULAR WEIGHT: 128.2

Product specification

Analytical Item	Standard	Specification
Assay	Gas chromatography	min. 99.5 %
Water content	ASTM E 203	max. 0.05 %
Acid content(calc. as Acrylic Acid)	ASTM D 1613	max. 0.01 %
Colour on despatch	APHA, ASTM D 1209	max. 10
Standard stabilization	ASTM D 3125	15 ± 5 ppm MEHQ

Other properties

Physical State:

Liquid.

Appearance:

Colourless.

Odor:

Characteristic odor.

Flash Point:

36°C (Closed cup).

Relative density (water = 1):

0.90

Relative vapor density (air=1):

4.42

Vapour pressure, kPa at 20°C:

0.43

Relative density of the vapour/air-mixture at 20°C (air=1):

1.01

Melting point:

-64°C.

Boiling point:

145-149°C.

Auto-ignition temperature:

267°C.

Explosion Limits (vol% in air):

1.3%-9.9%.

Octanol/water partition coefficient as log Pow:

2.38

Solubility in water:

0.14 g/100ml.

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Transport Information:

R Regulated as a hazardous material for transportation. (TDG; IMDG CODE)

UN: 2348.

UN Hazard Class: 3.

Shipping Name: BUTYL ACRYLATES, STABILIZED.

Packaging Category: III.

Packaging Information: ISOTANK OR DRUM.

Shipping Notice: Transport only if stabilized.

Storage & Handling

General Information: This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Promptly remove any clothing that becomes contaminated. Isolate contaminated clothing and wash before reuse. DO NOT take working clothes home.

Storage: NO open flames, NO sparks, and NO smoking. Prevent generation of mists! Above 36°C use a closed system, ventilation, explosion-proof electrical (ventilating, lighting and material handling) equipment. Store in an original container or an approved alternative made from a compatible material. Keep container tightly closed and sealed when not in use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store only if stabilized. Keep in the dark. Store in a cool, dry, well-ventilated area away from incompatible substances (see section 10), any sources of ignition or heat (e.g. open flames, sparks, direct sunlight, smoking, hot surfaces), food, drink and feedstuffs. Inspect regularly for deficiencies such as damage or leaks. Treat carefully, avoid physical damage to containers. The storage area should be equipped with the corresponding species and quantity of fire equipment and leakage emergency equipment. Use appropriate

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Note

The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors from the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suit-ability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.