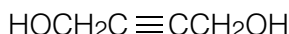


Technical Data Sheet

January 1997

2-Butyne-1,4-diol (Crystal)

Formula:..... $C_4H_6O_2$
Molecular Weight 86.1
Product Number 005741
CAS Registry Number:.... 110-65-6



Product Specifications	Value	Test Method
Assay, % minimum	99.0	G.C.
Water, % max.	0.5	DIN 51 777 (KF)

Physical Properties		
Freezing point, °C	54 – 56	
Boiling point @ 760 mm Hg, °C	238	
Flash point, °C	142	

Description

2-Butyne-1,4-diol is supplied as pale yellow flakes. It is very readily soluble in alcohols and esters, sparingly soluble in ethers, ketones and chlorinated hydrocarbons. It is very sparingly soluble in aromatic hydrocarbons and practically insoluble in aliphatic hydrocarbons. It can be re-crystallized from ethyl acetate.

Safety

Do not eat or drink while handling 2-Butyne-1,4-diol. Avoid contact with skin. Harmful if swallowed.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on safety.

Applications

Intermediate used in:

- electroplating as a brightening agent in nickel and copper baths to produce high gloss finishes
- corrosion-inhibiting additive in mineral acid pickling baths and in the production and processing of mineral oil and natural gas
- removal of scale deposits
- paint removers
- chain-lengthening agents for polyurethane prepolymers
- manufacturing defoliating agents
- manufacturing pharmaceuticals

Packaging

Available in 143 lb (net weight) steel drums.

Storage & Handling

2-Butyne-1,4-diol has an unlimited shelf life if it is protected from heat and moisture. Maintain storage temperature at 10–30°C.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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