

1,6-Hexanediol (HDO®)

Flakes

Technical Data Sheet

July 2009

 **BASF**
The Chemical Company

Formula $C_6H_{14}O_2$
Molecular Weight 118.2
PRD Number 30036627
CAS Registry Number 629-11-8

Product Specifications	Value	Test Method
Assay, % minimum	96.0	GC
Hexanediols, % minimum	99.0	GC
Cyclohexandiols, % maximum	3.0	GC
Acid number, mg KOH/g maximum	0.1	DIN EN 3682
Water, % maximum	0.3	DIN 51 777
Color, APHA maximum	15	DIN EN 1557

Physical Properties

Melting temperature, °C.....	40-42
Boiling temperature, °C.....	253-260
Bulk density @ 20°C, kg/m ³	530
Flash point, °C.....	147
Ignition temperature, °C.....	320



Description

1,6-Hexanediol (HDO) flakes are a colorless, odorless solids or molten masses. It is miscible in water in all proportions and soluble in ethanol.

Synonyms

Hexane-1,6-diol

Safety

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

Applications

Intermediate used in the production of:

- Acrylates
- PC
- Paint industry
- Plasticizer
- Polyesterpolyol
- Polyurethane-adhesives
- TPU

Packaging

Available in bags.

Storage & Handling

HDO flakes have a shelf life of 12 months in unopened, original containers and kept at 20°C. It must be protected from fire and sources of ignition.

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

Although all statements and information in this publication are believed to be accurate and reliable, they are presented gratis and for guidance only, and risks and liability for results obtained by use of the products or application of the suggestions described are assumed by the user. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH. Statements or suggestions concerning possible use of the products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that toxicity data and safety measures are indicated or that other measures may not be required.

© 2009 BASF Corporation

Contact us:

E-mail: chemical_intermediates@basf-corp.com
Website: www.basf.com/usa/intermediates