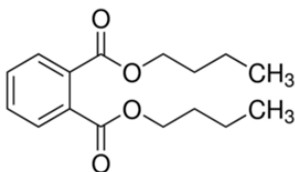


— TECHNICAL DATA SHEET —

MIRAIPLAST - 400

CHEMICAL NAME	- 1, 2-Benzene dicarboxylic acid (Di-butyl Ester) (DBP)
CAS No.	- 84-74-2
MOLECULAR WEIGHT	- 278.34
MOLECULAR FORMULA	- C ₁₆ H ₂₂ O ₄
MOLECULAR STRUCTURE	



PRODUCT SPECIFICATIONS:

PHYSICAL STATE
COLOR (APHA)
ESTER CONTENT % BY WEIGHT
VOL LOSS MOISTURE 110°C/2Hr.
ACID VALUE (mg KOH/g)
POUR POINT °C
SPECIFIC GRAVITY (27°C)

VALUE:

COLORLESS LIQUID
20 max
99.5
0.1%
0.1 max
-60 max
1.030-1.041

TEST METHOD:

VISUAL
ASTM-D-1045-86
ASTM-D-1045-86
ASTM-E-203
DIN.EN-ISO-2114
DIN-ISO-3016
ASTM-D-1045-86

TYPICAL PHYSICAL PROPERTIES:

MOLECULAR WEIGHT
BOILING POINT °C
FREEZING POINT °C
FLASH POINT °C
ODOUR

VALUE

278.34
340
35
171
SLIGHTLY AROMATIC

DESCRIPTION:

Miraiplast-400 (DBP) is a PVC plasticizer produced by reacting phthalic anhydride with n-butanol in presence of suitable catalyst.

APPLICATION:

Miraiplast-400 is an oily liquid used in general as a plasticizer in order to provide a certain flexibility and elasticity to PVC flexible products. It is also used in following products-

1. Used in adhesive industry to plasticize PVA emulsion.
2. Solvent for oil soluble dyes, insecticides.
3. Used as anti-foaming agent in certain industry.
4. In cooking industry DBP is used as a plasticizer and solvent for nitrocellulose lacquer.
5. Plasticizer in plastic and rubber industries.

SAFETY:

Use protective glasses, avoid eye contact. Use mask to avoid fumes inhaling, also avoid skin contact. Handle in accordance with good industrial hygiene and safety practice.

SHELF LIFE:

If properly stored in recommended condition, original characteristic unchanged for 24 months.

PACKAGING:

DBP is packed in 220/225 kg iron and plastic drums and tanker load.