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| M/S. BIMAL PHARMA PVT. LTD .<br>MUMBAI (INDIA) | FINISHED PRODUCT<br>INFORMATIONS |
| QUALITY CONTROL AND ASSURANCE                  | PRODUCT : SORBIC ACID            |
| MSDS no. BPPL 049                              | SPECIFICATION NO. FP-049         |

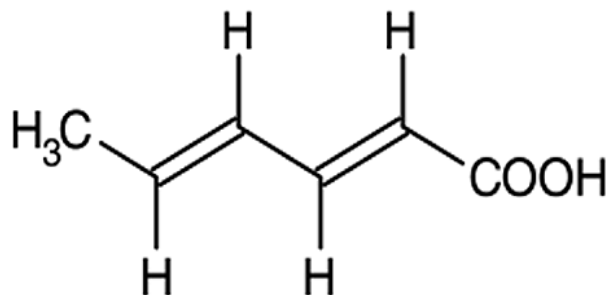
1. NOMENCLATURE : 2,4-Hexadienoic Acid.  
: (E,E)- Hexa-2,4 – Dienoic Acid.  
: 2-Propenylacrylic Acid.  
: Hexadienoic acid.  
: 1,3- Pentadiene – 1- Carboxylic Acid.

2. CAS NO. : 22500-92-1 / 110-44-1

3. EMPIRICAL FORMULA : C<sub>6</sub>H<sub>8</sub>O<sub>2</sub>

4. MOL. WT. : 112.1

5. STRUCTURAL FORMULA :



5. DESCRIPTION : A white or almost white,  
crystalline powder;  
: Slightly soluble in water;  
: Freely soluble in Alcohol and  
in Ether.

6. THERAPEUTIC USE : Antimicrobial preservative.  
: Additives in soft drinks, Fruits,  
Flavoring, Salted food, Dairy  
products.

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| M/S. BIMAL PHARMA PVT. LTD .<br>MUMBAI (INDIA) | FINISHED PRODUCT<br>PHARMACOPOEIAL SPECIFICATIONS |
| QUALITY CONTROL AND ASSURANCE                  | PRODUCT : SORBIC ACID BP / FCC V                  |
| MSDS no. BPPL 049                              | SPECIFICATION NO. FP-049                          |

1. DESCRIPTION : A white or almost white,  
Crystalline Powder.  
: Slight characteristic odour.
2. SOLUBILITY : Slightly soluble in water;  
Freely soluble in Alcohol and  
in Ether.
3. IDENTIFICATION : A) By Melting Point.  
B) By Specific Absorbance.  
C) By IR.  
D) By Color.
4. MELTING POINT : 132°C to 136°C.
5. CLARITY & COLOUR OF SOLUTION : 5% Solution in Alcohol is Clear  
(APPEARANCE OF SOLUTION) and Colorless.
6. HEAVY METALS (as Pb) : 10 ppm Max.
7. RESIDUE ON IGNITION : 0.2% Max.  
(Sulphated Ash)
8. ARSENIC (AS As) : 2 ppm Max.
9. ALDEHYDES AS FORMALDEHYDE : 0.1% Max.

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| MSDS no. BPPL 049                              | SPECIFICATION NO. FP-049                          |

10. MERCURY : 1 mg. / kg. Max  
(1 ppm Max.)
11. WATER CONTENT : 0.5% Max  
(Loss on Drying)
12. HEAT STABILITY : No change in color after heating  
for 90 minutes at 105°C
13. SORBIC ACID CONTENT : 99.0% -101.0%  
(Assay, ODB)
14. PACKING : 25 Kgs. HDPE Laminated Multi-wall  
Paper, Bags with double PE Liners.