

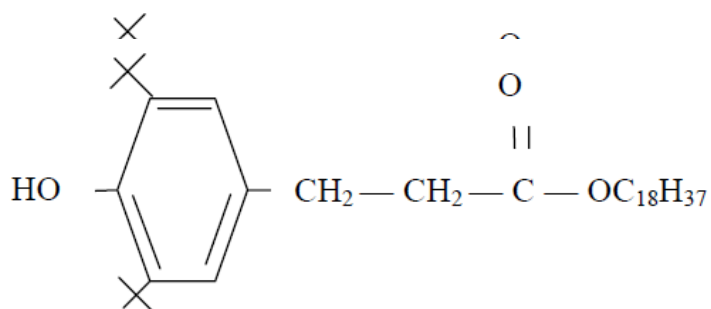
**TECHNICAL DATA SHEET**  
**Omnistab AN 1076**

CAS No 2082-79-3

Chemical name Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate

Molecular formula  $C_{35}H_{62}O_3$ 

Molecular weight 531 g/mol

**Molecular structure****Application:**

Omnistab AN 1076 can be applied in Polyolefins such as Polyethylene ,Polypropylene , Polybutene-1 as well as in other Polymers such as Engineering Plastics ; Styrene homo- Copolymers, Polyurethanes, Elastomers ,Adhesives and other Organic Substrates .

**Features:**

Omnistab AN 1076 can be used in combination with other Additives as Costabilizers ( Thioesters, Phosphites, Phosphonites) Light Stabilizers, and Other Functional Stabilizers .

**Physical Properties**

|                     |              |
|---------------------|--------------|
| Appearance          | White Powder |
| Clarity of solution | CLEAR        |
| Assay               | 99% Min      |

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|                        |                             |            |
|------------------------|-----------------------------|------------|
| Ash                    |                             |            |
| Volatiles (%)          | Temp ,at 1%<br>weight loss  | 230 C      |
|                        | Temp ,at 10%<br>weight loss | 288 C      |
| Transmittance          | 425 nm                      | 97.0 Min   |
|                        | 500 nm                      | 98.0 Min   |
| Bulk Density (g/l)     |                             | 550-650    |
| Melting range (c )     |                             | 50-55      |
| Flash point (c )       |                             | 273        |
| Vapor Pressure ( 20 c) |                             | 2.5 E-7 Pa |
| Solubility ( 20 C)     |                             |            |
| Acetone                |                             | 19         |
| Benzene                |                             | 57         |
| Chloroform             |                             | 57         |
| cyclohexane            |                             | 40         |
| Ethanol                |                             | 1.5        |
| Ethyl acetate          |                             | 38         |
| N-Hexane               |                             | 32         |
| Methanol               |                             | 0.6        |
| Toluene                |                             | 50         |
| Water                  |                             | <0.01      |

**Guidelines for Use:**

Reference dosage for polyolefins: 0.1-4.0% for processing and long term thermal stabilization, Reference dosage for polyolefins:0.2-1.0% for hot melt adhesives. For synthetic tackifier, dosage is 0.1-0.5%. For styrene copolymers, it is 0.1-0.3%.

**Shelf Life:**

1 Year Minimum, Store at Dry and Cool place and avoid heat and light at below 28 °C .

**Handling and Safety:**

In accordance with good industrial Practice, Handel with care and prevent Contamination of the Environment .Avoid dust formation and Ignition Sources.