

# PRODUCT DATA

## D-Isobutyl Lactate (Specific)

### Description

D-Isobutyl lactate is an ester of natural D (-) lactic acid, produced by bio-fermentation from grain starch. It is colorless, clear liquid having a slight characteristic odor. It is easily soluble in alcohol, ether, acetone, ester etc. and hydrolytic partially in water.

### Information

|                   |  |
|-------------------|--|
| Chemical name     | Isobutyl-D(R)-2-hydroxypropionate  |
| Molecular formula | CH <sub>3</sub> CH(OH)COOCH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub> |
| Molecular weight  | 146.18   |
| CAS               | 61597-96-4   |
| Packing           | polyethylene drum, net 220kg or 25kg per drum                              |

### Specification

|                                       |       |
|---------------------------------------|-------|
| Assay, %                              | ≥99.5 |
| Isobutanol, %                         | ≤0.20 |
| Isobutyl pyruvate, %                  | ≤0.25 |
| Acidity, %                            | ≤0.05 |
| Water content, %                      | ≤0.10 |
| Unknown by-products, %                | ≤0.10 |
| Stereochemical purity, %, D/(L+D)×100 | ≥99.3 |