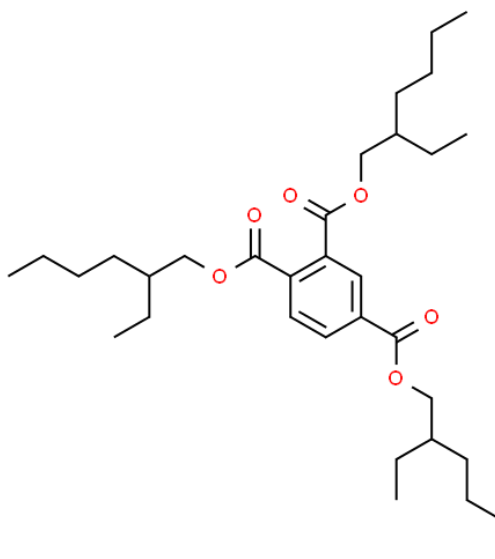


### 1. PRODUCT NAME

|                         |                                                 |
|-------------------------|-------------------------------------------------|
| a/ Trade name           |                                                 |
| – in English:           | Oxofine™ TOTM                                   |
| b/ Chemical name        |                                                 |
| – In English:           | Tris(2-ethylhexyl) benzene-1,2,4-tricarboxylate |
| c/ Proper shipping name | Not applicable (not subject to RID/ADR)         |
| d/ Chemical formula     |                                                 |
| – summary               | $C_{33}H_{54}O_6$                               |
| – semi-structural       | $C_6H_3(COOC_8H_{17})_3$                        |

– structural



|          |               |
|----------|---------------|
| e/ PKWiU | 20.14.34.0    |
| f/ CN    | 2917 39 85 90 |

### 2. QUALITY REQUIREMENTS

#### 2.1. General requirements

Oxofine™ TOTM is an oily liquid with a characteristic mild ester odour, free from solid impurities.

#### 2.2. Physical and chemical requirements

| Item | Parameter                               | Value                        | Unit           | Test method       | Foreign equivalent                                         |                         |
|------|-----------------------------------------|------------------------------|----------------|-------------------|------------------------------------------------------------|-------------------------|
| 1    | Colour                                  | no more than                 | 100            | Pt-Co             | ISO 2211<br>ISO 6271                                       |                         |
| 2    | Flash point                             | no less than                 | 240            | °C                | PN-EN-ISO 2592:2017-10                                     | ISO 2592                |
| 3    | Water                                   | no more than                 | 0.1            | [% m/m]           | PN-ISO 760:2001<br>PN-EN ISO 12937: 2005                   | ISO 760<br>EN ISO 12937 |
| 4    | Tris(2-ethylhexyl) trimellitate content | no less than                 | 96.0           | %                 | Own method<br>Grupa Azoty ZAK S.A.<br>(GC; % surface area) | GC<br>(% by area)       |
| 5    | Density in 20° C                        | no less than<br>no more than | 0.985<br>0.990 | g/cm <sup>3</sup> | PN-EN ISO 12185:2002                                       | ISO 12185               |
| 6    | Acid value                              | no more than                 | 0.5            | mg KOH/g          | PN-C-89401:1988<br>ASTM D1045 - 14                         | ASTM<br>D1045 - 14      |

| Item | Parameter                                         | Value | Unit    | Test method               | Foreign equivalent |
|------|---------------------------------------------------|-------|---------|---------------------------|--------------------|
| 7    | Volatile organic compounds (VOCs)<br>no more than | 0.2   | [% m/m] | PN-EN ISO 11890-2:2020-12 | ISO 11890-2:2020   |

### 3. APPLICATION(s)

Oxofine™ TOTM is a plasticiser used in the processing of plastics.

### 4. STORAGE STABILITY

Oxofine™ TOTM is chemically stable. With storage and transport conditions in accordance with p. 7 and p. 8, the quality requirements according to p. 2 are maintained for a period of 6 months from the date of loading.

### 5. QUALITY DOCUMENT

Each exported batch of Oxofine™ TOTM shall be accompanied with a quality certificate stating the conformity of the product quality parameters with the requirements of the product specifications, unless otherwise stated in the customer contract.

### 6. PACKING

#### 6.1. General requirements

Oxofine™ TOTM is loaded into tanker trucks and into so-called flexitanks.

Other types of packaging are permitted to ensure that the product quality requirements are maintained and that it is safe to transport, store and use. In this case the recipient should:

- Submit the valid certificate which permits the use of that type of containers in storage and transport, in accordance with RID/ADR.
- Place marking on the containers, in accordance with applicable regulations.

#### 6.2. Labelling applicable for client's unit containers

a/ According to Regulation (EC) No. 1272/2008.

- not applicable

b/ according to RID/ADR regulations

- not applicable

c/ inscription:

- “Spent packages must be transferred to an authorised waste collecting company.”

d/ additional markings required by national/local regulations

### 7. STORAGE

#### 7.1. Requirements for warehouses

- Local exhaust ventilation, removing vapours from emission points, and general ventilation of rooms.
- Protection against static electricity - discharge can ignite organic vapours.
- A sprinkler system that allows tanks/containers to be cooled by dispersed water jets in the event of a fire.
- An impermeable floor, allowing spillages to be picked up and preventing them from entering the sewerage system.
- The room should be cool and dry.

## 7.2. Storage conditions

- Keep away from sources of ignition - No smoking.
- Keep containers tightly closed in a cool, well-ventilated place.
- Store and open container with care.
- Containers and tanks must be properly labelled.
- Tanks and containers must be made of plasticiser-resistant materials.
- The room should be equipped with handy fire-fighting equipment.
- Store above 0°C.

## 7.3. Recommendations on occupational hygiene

- Avoid contact with skin, eyes and clothing.
- Wash hands after handling.
- Wear protective clothing.

## 7.4. Recommendations for joint storage

- Incompatible substances: Strongly oxidising agents.

## 8. TRANSPORT

### 8.1. General requirements

The recipient's pre-packaging must meet the requirements as in point 6.

Pre-packaged containers containing the product should be transported by covered means of transport.

This product is not a hazardous material according to RID/ADR.

### 8.2. Labelling applicable for means of transport as per RID/ADR

Not applicable.

## 9. OTHER INFORMATION

Oxofine™ TOTM is Kosher-certified.

In place of: PM-029-01-1.0 „Oxofine™ TOTM. Specification”