



## OQ PRODUCT HANDLING GUIDE

# n-Propyl Acetate CAS # 109-60-4



n-Propyl Acetate is a colorless, flammable liquid with a pleasant odor. It is miscible with alcohols, ketones, esters, and hydrocarbons, but only slightly soluble in water. n-Propyl Acetate is stable under recommended storage conditions.

n-Propyl Acetate is available from OQ in the following packages:

- UN 1A1/X1.2/300 55-Gallon Carbon Steel Drums

- DOT 111A100W1 Tank Cars
- DOT MC 307 or DOT 407 Tank Trucks
- Ship Tank and Barge

### Storage

|                         |   |
|-------------------------|---|
| Recommended Blanketing  | Air <sup>1,2</sup> or Dry Nitrogen <sup>1,2,3</sup> |
| Recommended Temperature | Ambient   |
| Recommended Pressure    | Atmospheric   |
| Bulk Quantities         | Outside, detached tanks                             |
| Small Containers        | Cool, dry, well ventilated area                     |

### Handling

- Thoroughly review Safety Data Sheet before handling product.
- Keep containers closed when not in use.
- Open containers slowly to allow any excess pressure to vent.
- Keep away from heat, sparks, flame, or other sources of ignition.

- Protect small containers from physical damage.
- Use proper electrical grounding and bonding procedures when loading, unloading, and transferring.<sup>1</sup>
- Refer to the OQ Safety Data Sheet for more information on materials to avoid.

- Use spark-resistant tools.
- Electrical equipment and circuits in all storage and handling areas must conform to requirements of national electrical code (Articles 500 and 501) for hazardous location.

See the National Fire Protection Agency (NFPA) #30 "Flammable and Combustible Liquids Code" and consult with qualified fire protection specialists to determine specific storage tank design requirements. Refer to OQ Safety Data Sheet for more specific health and environmental

information and refer to the OQ Product Descriptions for additional physical properties and general product information. Safety Data Sheet and Product Descriptions for n-Propyl Acetate are available through your OQ sales representative.

1. Refer to NFPA #77 "Static Electricity" for proper electrical grounding procedures.
2. See the National Fire Protection Agency (NFPA) #30 "Flammable and Combustible Liquids Code" and consult with qualified fire protection specialists to determine specific storage tank design requirements.
3. Blanketing may be used to retain quality in long-term storage conditions.

This information is based on our present state of knowledge and shall be intended to provide general notes on our products and their field of application. It shall therefore not be construed as guaranteeing specific characteristics of the products described and/or their suitability for a particular application. Any existing industrial property rights shall be observed. The quality of our products is warranted under our General Conditions of Sale.

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### Materials of Construction for Storage and Transportation

| Item                 | Recommended   | Acceptable   |
|----------------------|---|--|
| Tank                 | Carbon Steel (rust free)                                  | Stainless Steel <sup>1</sup> ,<br>Lined Carbon<br>Steel <sup>2</sup> ,<br>Aluminum |
| Piping               | Carbon Steel  | Stainless Steel <sup>1</sup> , Aluminum  |
| Valves               | Carbon Steel  | Stainless Steel <sup>1</sup> , Aluminum  |
| Pumps                | Cast Iron, Carbon Steel                                   | Stainless Steel <sup>1</sup>   |
| Relief Valves        | Carbon Steel  | Stainless Steel <sup>1</sup>   |
| Gaskets              | Glass Filled PTFE <sup>3</sup>                            | PTFE <sup>3</sup>  |
| Pump Seals           | Mechanical Seal: #5<br>carbon to silicon carbide<br>faces |  |
| Valve Packing        | PTFE <sup>3</sup>   | Braided PTFE <sup>3</sup>  |
| Pipe End Connections | Welded and flanged system                                 | Threaded with PTFE <sup>3</sup><br>tape thread lubricant                           |
| Heat Exchanger       | Product Side:<br>Carbon Steel                             | Product Side:<br>Stainless Steel <sup>1</sup>                                      |
| Hoses                | Stainless Steel <sup>1</sup>                              | Butyl, Aluminum  |
| Tank Truck           | Stainless Steel <sup>1</sup>                              | Aluminum   |
| Tank Car             | Carbon Steel  | Aluminum, Stainless Steel <sup>1</sup>   |
| Barge                | Zinc Silicate or<br>Epoxy Lined Carbon Steel              | Stainless Steel <sup>1</sup>   |
| Ship Tank            | Zinc Silicate or<br>Epoxy Lined Carbon Steel              | Stainless Steel <sup>1</sup>   |

1. Type 304 or 316 Stainless Steel.
2. Lining refers to a high baked phenolic
3. Polytetrafluoroethylene.

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