



## OQ PRODUCT HANDLING GUIDE

# Trimethylolpropane, Flakes CAS # 77-99-6

Trimethylolpropane is a white, waxy flake with little or no odor. It is soluble in alcohols or water.

Trimethylolpropane is very stable under recommended storage

conditions. It may burn when exposed to an ignition sources. Trimethylolpropane is available from OQ in the following packages:

- Lined Flexible intermediate Bulk Containers
- Multi-Wall Bags

### Storage

Recommended Blanketing	Dry Air <sup>1</sup> or Dry Nitrogen <sup>1,2</sup>
Recommended Temperature	Ambient
Recommended Pressure	n/a
Bulk Quantities	Outside, detached silos
Small Containers	Area of lowest practical humidity

### Handling

- Thoroughly review Safety Data Sheet before handling product.
- Keep containers closed when not in use.
- 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.
- Avoid excessive dust because it can form explosive dust clouds.
- Trimethylolpropane is hygroscopic. To maintain product quality, avoid contact with undried air.
- Caution! Flexible intermediate bulk containers can build static electrical charge while contents are being emptied or filled.
- Do not allow contents to free fall in areas where potential flammable air-vapor or air-dust mixtures exist.
- A grounded intermediate hopper or conveyor is recommended.
- Do not allow any ungrounded, conducting objects in the work area.
- If air is used to transfer this material, special safety design considerations and procedures must be utilized to prevent potential fires and explosions.

Refer to the National Fire Protection Agency (NFPA) #77 "Static Electricity," as well as other reference materials, for proper electrical grounding procedures and consult with qualified specialists to determine specific handling requirements. Refer to the 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 Trimethylolpropane are available through your OQ sales representative.

1. Refer to NFPA #77 "Static Electricity" for proper electrical grounding procedures.
2. 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
Storage Silo	Stainless Steel <sup>1</sup>	Aluminum <sup>3</sup> , Lined Carbon Steel <sup>2</sup>
Pneumatic Conveying Duct	Stainless Steel <sup>1</sup>	Aluminum <sup>3</sup>
Conveyors	Stainless Steel <sup>1</sup>	Neoprene, EPDM <sup>4</sup> , Aluminum <sup>3</sup>
Gaskets, light wt.	Glass Filled PTFE <sup>5</sup>	Closed cell neoprene sponge
Hopper Car	Stainless Steel <sup>1</sup>	Aluminum <sup>3</sup>

1. Type 304 or 316 Stainless Steel.
2. Lining refers to an epoxy phenolic amine cured type.
3. Aluminum can only be used with dry product.
4. Ethylene – propylene – diene – monomer – (peroxide cured grade).
5. Polytetrafluoroethylene.

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