



Cargo Handling Guidelines

Benzene (Benceno)

For the use of vessels chartered by Moeve

Disclaimer:

The information contained in this publication is, to the best of our knowledge, true and accurate, but issued strictly without any guarantee. Any recommendations and/or suggestions that may be made are also without guarantee, since the conditions of the use are beyond our control. Furthermore, nothing contained herein shall be interpreted as a recommendation to use any product in conflict with existing patents covering any material of its use.

Revision Date: 01 November 2024
Revision N°: 0

| Product Details | |
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| Product Name: | Benzene (Benceno) |
| International Maritime Organization (IMO) Shipping Name: | Benzene and mixtures having 10% benzene or more |
| Chemical Family: | Aromatic Hydrocarbon |
| CAS N°: | 71-43-2 |
| UN N°: | 1114 |
| Product Code: | 30104 |
| e Safety Data Sheet (SDS): https://www.cepsa.es/en/safety-sheets | |
| Physical Properties¹ | |
| Density: | 0,877 g/cm ³ [20°C (68°F)] |
| Dynamic Viscosity: | 0,604 mPa s |
| Vapour Pressure: | 10 kPa (75,006375 mm Hg) |
| Boiling Point | 80,09°C (176,2°F) |
| Pour Point: | N/A |
| Melting Point: | 5,5°C (41,9°F) |
| Flash Point: | -11°C (12,2°F) – Close cup |
| Autoignition Temperature: | 498°C (928,4°F) |
| Appearance: | Colourless liquid with aromatic odour. |
| Hazard Identification: | Extremely flammable, static accumulator, toxic, carcinogen, may solidify; See Safety Data Sheet (SDS) for full list of hazards and precautions. |
| Transhipment: | Prior to arranging transhipment charterer must agree to owner's proposed plan. When arranged by the owner, owner must ensure that all transhipment vessels comply with the requirements of this Cargo Handling Guideline. |
| Marine Pollution (MARPOL) Details | |
| Marine Pollution (MARPOL) Annex: | II |
| IMO Ship Type: | 3 (must be double hull) |
| Inland Barge: | Double Hull |
| IMO Pollution Category: | Y |
| IBC 16.2.6 | No |
| IBC 16.2.9 | Yes |
| Pre-wash Required: | Prewash could be required - Check melting point on shipping documents |
| Compatibility Group: | USCG Compatibility group 32 (Aromatic Hydrocarbons) |

¹ Physical Properties are for reference only and valid as of date of this revision; see loading terminal information for specific properties.

| Cargo Handling Requirements | |
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| Information for cleaning before loading: | Clean, dry and visually free of residues of previous cargo and/or foreign matter, no uncharacteristic odour. Master to confirm that tank inspection was conducted via a tank cleanliness certificate. |
| N ₂ Purge Cargo Tanks Prior Loading: | For loading operations, the vessels must arrive in inerted condition to Moeve Terminals (Only N ₂ accepted). |
| N ₂ Blanket Required: | Discharging Operations in inerted condition (Only N ₂ accepted). |
| Adjacent Space Purge: | No |
| Loading Temperature Range: | Ambient |
| Transit Temperature Range: | Ambient to 40°C (104°F) |
| Discharge Temperature Range: | Ambient to 40°C (104°F) |
| Maximum Heating Coil Temperature: | 60°C (140°F) |
| Adjacent Maximum Cargo Temperature: | 40°C (104°F) |
| Remarks: | |
| <ol style="list-style-type: none"> 1. Minimum handling temperature for Benzene is 11 °C / 52 °F 2. If loaded below 16 °C / 61 °F or if during voyage cargo temperature drops to < 16 °C / 61 °F, MOEVE Trading Operation Department must be notified. 3. N₂ is required as inerting medium. | |
| Regional Requirements | |
| Remarks: | |
| <ol style="list-style-type: none"> 1. In Europe minimum load temperature is set to 20 °C / 68 °F 2. In case of loading on barges, consult in advance with the Vetting and QHSE Trading departments (coating, inert gas policy and heating must be confirmed). | |
| Tank Acceptance Requirements | |
| Stainless Steel or Coated Tank: | Either carrier to verify suitability of coating for product. |
| Banned Prior Cargo: | No |
| Wall Wash Required: | In case of high purity cargo, wall wash with Methanol is required. |

| Safety Information and Incident Reporting |
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| Safety Information: |
| HSSE information can be found in the Safety Data Sheet (SDS) or e-SDS. |
| Incident Reporting: |
| All incidents must be reported in accordance with the applicable regulations and charter party requirements. |
| If an incident occurs, immediately call to the Emergency Response Team 24/7 hotline: +49233138423633 . Additionally, a detailed report of the incident must be provided via email to the following email address: incidents.trading@cepsa.com . |