



MicroBulk Systems

Technical Service Bulletin

Refrigerated CO₂ MC 338 Cargo Tanks

Date: April 5, 2019

TSB-MBS-1028

Issue: Chart DOT MC-338 cargo tanks transporting refrigerated carbon dioxide require a Special Permit.

Models Affected: All Chart Orca™ CO₂ Series MicroBulk Delivery System models.

Description: The US Code of Federal Regulations does not specifically authorize the use of DOT MC-338 cargo tanks for the transportation of carbon dioxide, refrigerated liquid. Chart recognized this issue and pursued a DOT Special Permit to allow the practice. DOT has issued DOT-SP 20847 to allow DOT MC-338 cargo tank motor vehicles manufactured by Chart Inc. to transport carbon dioxide, refrigerated liquid. DOT-SP 20847 applies to all Chart Orca CO₂ Series models.

Action Required:

1. In accordance of the special provisions noted in DOT-SP 20847
 - A current copy of the DOT-SP 20847 must be maintained at each fill facility offering or reoffering these cargo tanks for transportation.
 - A current copy of the DOT-SP 20847 must be on board each of the affected cargo tanks when transporting carbon dioxide, refrigerated liquid.
2. Each cargo tank operated under this special permit must be marked per 49 CFR 172.302 (b) & (c) and 49 CFR 172.328 (b). See 49 CFR excerpts listed below:
 - Marking to indicate: DOT-SP 20847
 - Markings located on outside of cargo tank at each side and each end.
 - Letters at least 0.24" wide and at least 2" tall
 - Lettering to contrast with background color
3. Shipping papers must include notation per 49 CFR 172.203 (a): See 49 CFR 172 excerpt listed below:
 - Shipping paper must be notated with DOT-SP 20847
 - Notation must be located such that it is clearly associated with the carbon dioxide, refrigerated liquid shipment.
4. Electronic copies of the special permit may be obtained at the link below.
<https://www.phmsa.dot.gov/approvals-and-permits/hazmat/special-permits-search>
5. Marking kit 21402387 can be shipped to your proper location at no charge within one month of this notification. Please contact your Chart Customer Service Representative with the proper contact and shipping address.

If you have concerns or questions relative to this action, please contact your Chart Customer Service Representative at +1 (800) 400-4683. Thank you for depending on Chart to provide high product quality and service.