U.S. Department
of Transportation,
**Research and
Special Programs
Administration**

400 Seventh Street, S.W.
Washington, D.C. 20590

DOT-E 10272 (EXTENSION)
FIRST REVISION December 3, 1992

In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 10272 is hereby extended for the party(ies) listed below by changing the expiration date in paragraph 10 to July 31, 1996. This change is effective from the issue date of this extension. All other terms of the exemption remain unchanged.

This extension applies only to party(ies) listed below based on the application(s) received in accordance with 49 CFR 107.105. This extension constitutes a necessary part of this exemption and must be attached to it.

AUG 24 1994
(DATE)

J. Suzanne Hedgepeth
Alan I. Roberts
Associate Administrator
for Hazardous Materials Safety

Dist: FHWA

EXEMPTION HOLDER	APPLICATION DATE
Olin Corporation Charleston, TN	July 25, 1994

ADVISORY

IF YOU ARE A HOLDER OF AN EXEMPTION THAT AUTHORIZES THE USE OF A PACKAGING WITH A MAXIMUM CAPACITY LESS THAN 450 L (119 GALLONS) OR A MAXIMUM NET MASS LESS THAN 400 KG (882 POUNDS), PLEASE BE ADVISED THAT YOUR EXEMPTION MAY NOT BE RENEWED BEYOND SEPTEMBER 30, 1996. IN ADDITION, NO NEW CONSTRUCTION OF PACKAGINGS WHICH FALL WITHIN THE NON-BULK CAPACITIES LISTED ABOVE ARE AUTHORIZED AFTER SEPTEMBER 30, 1994. THIS IS CONSISTENT WITH THE IMPLEMENTATION OF THE NEW PACKAGING REQUIREMENTS ADOPTED UNDER DOCKET HM-181. ANY APPLICATION SUBMITTED TO THIS OFFICE TO RENEW AN EXEMPTION BEYOND THE SEPTEMBER 30, 1996 DATE WILL BE DENIED UNLESS THE APPLICATION CONTAINS SUPPORTING INFORMATION TO JUSTIFY THE CONTINUATION OF THE EXEMPTION.

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400 Seventh Street, S.W.
Washington, D.C. 20590

DEC 3 - 1992

DOT-E 10272
(FIRST REVISION)

1. Olin Chemicals, Charleston, Tennessee, is hereby granted an exemption from certain provisions of this Department's Hazardous Materials Regulations to offer packages prescribed herein of hypochlorous acid solutions for transportation in commerce subject to the limitations and special requirements specified herein. This exemption authorizes the use of insulated and lined DOT Specification MC 331 cargo tank motor vehicles to transport aqueous hypochlorous acid solutions of 50% or less concentration and provides no relief from any regulation other than as specifically stated.

2. BASIS. This exemption is based on Olin's application dated July 31, 1991, and supplemental information dated September 23, 1991, submitted in accordance with 49 CFR 107.103, and public proceeding thereon and October 12, 1992 submitted in accordance with 49 CFR 107.105.

3. MATERIALS (Descriptor and class). Aqueous Hypochlorous acid (HOCL) solutions of 50% or less concentration (contains chlorine), classed as Division 2.2 (nonflammable gas). NOTE: Effective October 1, 1993, the appropriate numeric hazard class or division and a new proper shipping description must be used in place of the written hazard class and old proper shipping description.

4. PROPER SHIPPING NAME (49 CFR 172.101). Nonflammable gas, n.o.s.

5. REGULATION AFFECTED. 49 CFR 172.101 Table, column 1 and 173.315.

6. MODE OF TRANSPORTATION AUTHORIZED. Motor vehicle.

7. SAFETY CONTROL MEASURES. Packaging prescribed is an insulated and lined DOT Specification MC 331 cargo tank motor vehicle, having a water capacity not exceeding 4500 gallons, fabricated and equipped for chlorine service in accordance with the Department's Hazardous Materials Regulations and in compliance with the following:

(1) The vapor pressure of the hypochlorous acid solution may not exceed 410 psia at 130°F (55°C),

(2) The design pressure must be 500 psig. The design configuration must be as shown in Mississippi Tank Company's Drawing No: D-1193 Rev.2 dated August 26, 1991, and other related information on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA).

(3) Material of construction must be SA 516-70 or equivalent specification steel.

(4) All inlet/outlet valves, and safety relief devices must be made of Hastolloy[R]-teflon composition or other equally compatible material. Safety relief valves must be at least of 4" size. In place of specified Chlorine Institute angle valves, the tank may be equipped with lined "C-shaped" ball vales, described in the petitioner's application of July 31, 1991, locked closed after loading, each fitted with a blind flange bolted in place during transportation."

(5) The entire interior of each cargo tank motor vehicle must be lined with Halor[R] or a sprayed and baked fluoropolymer (polyvinylidene fluoride (PVDF)) or other equally compatible material. The type and lining process must be maintained by Olin Chemicals and made available to DOT Officials when required.

(6) A second manway meeting Chlorine Institute manway requirements may be installed without appurtenances and manway cover.

8. SPECIAL PROVISIONS.

a. A copy of this exemption must be carried aboard each motor vehicle used to transport packages covered by this exemption.

b. Drivers must have been trained by Olin Chemicals in the safe transportation of hypochlorous acid (HOCL) solution and must have been instructed as to necessary safe guards and proper procedure in the event of unusual delay, fire, or accident.

c. Motor carriers operating under the terms of this exemption must have "Satisfactory" or "Conditional "safety rating as prescribed in 49 CFR Part 385.

d. Each cargo tank must be plainly marked next to the specification plate, in letters 2 inches high on a contrasting background, "DOT-E-10272".

9. REPORTING REQUIREMENTS.

a. Design calculations, applicable design drawings and ASME U1-A form for the first cargo tank must be on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA) prior to the first shipment under this exemption.

b. Olin Chemicals must provide the OHMEA with a shipping experience report every six months throughout the duration of this exemption. The shipping experience report shall contain the number of shipments and the quantity and concentration of hypochlorous acid solutions shipped in each reporting period as well as any difficulties and unusual circumstances encountered during the reporting period.

c. Any incident involving loss of packaging contents or packaging failure must be reported to the Associate Administrator for Hazardous Materials Safety as soon as practicable. (49 CFR 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.)

10. EXPIRATION DATE. September 30, 1994.

Issued at Washington, D.C.

DEC 3 - 1992

(DATE)

Alan I. Roberts
Associate Administrator
for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, U.S. Department of Transportation, Washington, D.C. 20590. Attention: Exemptions Program.

Dist: FHWA.