U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

DOT-E 10777 (EXTENSION)
ORIGINAL July 17, 1992

In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 10777 is hereby extended for the party(ies) listed below by changing the expiration date in paragraph 10 to May 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.

JUN 14 1994

Alan I. Roberts
Associate Administrator
for Hazardous Materials Safety

(DATE)

Dist: FHWA

EXEMPTION HOLDER	APPLICATION DATE
SIGRI Great Lakes Carbon Corporation Union, NJ	April 27, 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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DOT-E 10777

1. Sigri Great Lakes Carbon Corporation, Bedminster, New Jersey, is hereby granted an exemption from certain provisions of this Department's Hazardous Materials Regulations to manufacture, mark and sell the packaging described in paragraph 7 below for use in the transportation in commerce of the hazardous materials described in paragraph 3 below subject to the limitations and special requirements specified herein. This exemption authorizes the use of a non-DOT specification removable head salvage cylinder of 45 gallon capacity for overpacking damaged or leaking packages of pressurized and non-pressurized hazardous materials, and provides no relief from any regulation other than as specifically stated. Reference to 49 CFR sections in this exemption are to regulations in effect on September 30, 1990.

2. BASIS. This exemption is based on Sigri Great Lakes Carbon Corporation's application dated April 25, 1992 submitted in accordance with 49 CFR 107.103 and the public proceeding thereon.

3. HAZARDOUS MATERIALS (Descriptor and class). Those hazardous materials, except acetylene, which are authorized in DOT specification cylinders classed as flammable liquids, flammable gases, nonflammable gases, Poison B materials or Poison A materials.

4. PROPER SHIPPING NAME (49 CFR 172.101). The specific chemical name or generic description, as appropriate.

5. REGULATIONS AFFECTED. 49 CFR 173.34, 173.119, 173.302, 173.304, 173.327, 173.328, and 173.346.

6. MODE OF TRANSPORTATION AUTHORIZED. Motor vehicle.

7. SAFETY CONTROL MEASURES. Packaging prescribed is a non-DOT specification full-removable head, carbon steel, salvage cylinder of welded construction, with provisions for securely positioning the damaged cylinder contained therein. The Type TG-168-ST salvage cylinder must conform with ABT GmbH drawing 800297 Rev. 0 dated March 18, 1992, on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA), and be designed, constructed, and stamped in accordance with Section VIII Division I of the ASME Code. Additionally, the Salvage Cylinder must conform to the following:

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Volume	45 gallons water capacity, nominal
Material	SA 516 Gr.70
Design stress at MAWP	17,500 psi
Outside diameter	14 inches, nominal
Length	85 inches, nominal
Design wall thickness	0.472 inch (nominal), 0.426 inch minimum
Design service pressure	1087.5 psig (75 bar)
Test pressure	1632 psig (113 bar)
Openings:	
On sidewall	Three 1/4 inch NPT for a pressure gauge, an analysis valve and a purge valve
On removable top head	One 2 inch NPT for mechanism to operate damaged cylinder valve
Pressure relief device(s)	None
Welded attachments	Two lifting brackets

8. SPECIAL PROVISIONS.

a. Offerors for transportation of hazardous materials specified in this exemption may use the packaging described in this exemption for the transportation of such hazardous materials so long as no modifications or changes are made to the packages, all terms of this exemption are complied with, and a copy of the current exemption is maintained at each facility from which such offering occurs.

b. Shippers using the packaging covered by this exemption must comply with the shipping paper, marking, labeling, and placarding requirements of 49 CFR Part 172; all provisions of this exemption, and all other applicable requirements contained in 49 CFR Parts 100 - 180.

c. Each packaging manufactured under the authority of this exemption must be either (1) marked with the name of the manufacturer and location (city and state) of the facility at which it is manufactured or (2) marked with a registration symbol designated for a specific manufacturing facility.

d. A copy of this exemption, in its current status, must be maintained at each manufacturing facility at which this packaging is manufactured and must be made available to a DOT representative upon request.

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

f. Salvage cylinders are authorized for use only with damaged or leaking cylinders whose contents are limited in pressure and volume so that if totally discharged into the salvage cylinder, the pressure in the salvage cylinder will not exceed: (1) 1,087 psig at 70°F for nonliquefied gases, and (2) 1,087 psig at 130°F for liquefied gases.

g. Drivers and persons who load, unload or transport these salvage cylinders must have been trained in the handling and proper use of the cylinder. The loaded salvage cylinder must be delivered to the consignor or consignee as soon as practicable.

h. At least once every 2 years, each cylinder must be visually reinspected (internally and externally) and hydrostatically retested at 1632 psig. The visual inspections must be performed in accordance with the Compressed Gas Associations Pamphlet C-6.

i. Transportation is limited to motor vehicles owned or leased by Sigri Great Lakes Carbon Corporation or its customers or vehicles owned or leased by contract carriers employed by Sigri Great Lakes Carbon Corporation.

j. Each salvage cylinder must be plainly and durably marked on opposite sides near the middle, in letters at least 2 inches high on a contrasting background "DOT-E 10777" and "SALVAGE CYLINDER".

k. Each salvage cylinder must bear the appropriate hazard class labels as prescribed for its lading.

l. Each salvage cylinder must be secured to the motor vehicle by a securement system that conforms with the requirements contained in 49 CFR 393.100 to 393.106.

9. REPORTING REQUIREMENTS. Any incident involving fire, explosion or 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. June 30, 1994.

Issued at Washington, D.C.:

JUL 17 1992

Alan I. Roberts
Associate Administrator for
Hazardous Materials Safety

(DATE)

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.

Distribution: FHWA.