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

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

DOT-E 7808 (EXTENSION)
THIRD REVISION May 17, 1985
SECOND CORRECTED COPY

In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 7808 is hereby extended for the party(ies) listed below by changing the expiration date in paragraph 10 to September 30, 1994. 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.

MAR 9 1993

Alan I. Roberts
Associate Administrator
for Hazardous Materials Safety

(DATE)

Dist: FHWA FRA USCG

EXEMPTION HOLDER	APPLICATION DATE
Waterbury Companies, Inc. Waterbury, CT	February 26, 1993

U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

DOT-E 7808
(THIRD REVISION)
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1. Whitmire Research Laboratories, Inc., (WRLI) St. Louis, Missouri, is hereby granted an exemption from those provisions of this Department's Hazardous Materials Regulations specified in paragraph 5 below to offer packages prescribed herein of a flammable or nonflammable gas for transportation in commerce subject to the limitations and special requirements specified herein. This exemption authorizes the shipment of insecticides and liquefied gas mixtures in inside nonrefillable aluminum containers comparable to DOT specification 2Q, with integral pressure relief system, and provides no relief from any regulation other than as specifically stated.

2. BASIS. This exemption is based on WRLI's application dated July 31, 1984, submitted in accordance with 49 CFR 107.105 and the public proceeding thereon; supplemented by letter dated February 19, 1985.

3. HAZARDOUS MATERIALS (Descriptor and class). Insecticide, liquefied gas (containing no Poison A or Poison B material) mixtures, classed as flammable or nonflammable gas, as appropriate.

4. PROPER SHIPPING NAME (49 CFR 172.101). Insecticide, liquefied gas.

5. REGULATION AFFECTED. 49 CFR 178.33a; 173.304 and 175.3.

6. MODES OF TRANSPORTATION AUTHORIZED. Motor vehicle, rail freight, cargo vessel, and cargo-only aircraft.

7. SAFETY CONTROL MEASURES. Packaging prescribed is a non-DOT specification inside nonrefillable aluminum container, seamless except for crimped closure, made in conformance with DOT specification 2Q (49 CFR 178.33a) except as follows:

178.33a-2 Type and size.

(a) Nonrefillable inside containers. Must be seamless except for top closure attached by crimping.

(b) Capacity 65 cubic inches (36 fluid ounces) maximum. Inside diameter 3 inches maximum.

* * * * *

178.33a-5 Material.

(a) Starting material must be aluminum alloy in compliance with one of the following ASTM specifications:

ASTM B-209 alloy 1100

ASTM B-209 alloy 6061

ASTM B-209 alloy 3003

(b) * * *

178.33a-6 Manufacture

(a) * * *

(b) Container must be seamless except for crimped closure.

(c) * * *

178.33a-7 Wall thickness

(a) The minimum thickness must be 0.017 inch.

178.33a-8 Tests.

(a) One out of each lot of 5,000 containers or less, successively produced per day, shall be pressure tested to destruction and must not burst below 360 pounds per square inch gauge pressure.

(b) Each such 5,000 containers or less, successively produced per day, shall constitute a lot and if the test container shall fail, the lot shall be rejected or ten additional containers may be selected at random and subjected to the test under which failure occurred. Should any of the ten containers thus tested fail, the entire lot must be rejected. All containers constituting a lot shall be of like material, size, design, construction, finish and quality.

(c) For lot test purposes the container may be fitted with a burst pressure adaptor in lieu of the crimped closure used in service.

(d) Each container filled for shipment must be heated until the pressure in the container is equivalent to the equilibrium pressure of the contents at 130°F. without evidence of leakage, distortion or other defect.

178.33a-9 Marking.

(a) * * *

(1) The container must be marked DOT-E 7808.

(2) * * *

178.33a-10 Pressure relief devices.

(a) Each container must be equipped with a pressure relief device incorporated in the crimped closure, which will prevent rupture of the container and dangerous projection of the closure when the container is exposed to the action of fire.

(b) Fire test must have been performed on prototypes and test results submitted to the OHMR prior to initial shipment.

8. SPECIAL PROVISIONS.

a. The insecticide (prior to pressurizing) must not meet the definition of either a class A or class B poison. The propellant must be liquefied petroleum gas or nonflammable dispersant gas. The propellant, and the mixture in the container must conform to one of the following:

(1)

	LPG	Mixture
Maximum weight authorized in each container (pounds)	0.45	—
Maximum vapor pressure at 70°F (psig)	108	70
Maximum vapor pressure at 130°F (psig)	260	135

(2)

	Nonflammable Dispersant Gas	Mixture
Maximum weight authorized in each container (pounds)	1.0	—
Maximum vapor pressure at 70°F (psig)	70	70
Maximum vapor pressure at 130°F (psig)	180	135

b. Persons who receive packages covered by this exemption may reship them pursuant to the provisions of 49 CFR 173.22a.

c. A copy of this exemption must be carried aboard each vessel and aircraft used to transport packages covered by this exemption.

d. Each container must be shipped in strong outside packagings complying with 49 CFR 173.301(k) and the outside packaging must be plainly marked DOT-E 7808.

e. The following identification number must be used for shipments made under this exemption:

UN 1954 for flammable
UN 1956 for non-flammable

9. REPORTING REQUIREMENTS. Any incident involving loss of contents of the package must be reported to the OHMR as soon as practicable.

10. EXPIRATION DATE. November 1, 1986.

Issued at Washington, D.C.:

MAY 17 1985

Alan I. Roberts
Associate Director for
Hazardous Materials Regulation
Materials Transportation Bureau

(DATE)

Address all inquiries to: Associate Director for Hazardous Materials Regulation, Materials Transportation Bureau, Research and Special Programs Administration, U.S. Department of Transportation, Washington, D.C. 20590. Attention: Exemptions Branch.

Dist: USCG, FAA, FHWA, FRA.