In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 10155 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.

Alan L. Roberts
Associate Administrator
for Hazardous Materials Safety

JUL 27 1993
(DATE)

Dist: FHWA FRA USCG

EXEMPTION HOLDER

Walpole, Inc.
Mt. Holly, NJ

APPLICATION DATE

May 17, 1993
1. Walpole, Incorporated, Mt. Holly, 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 of the flammable solids corrosive materials, oxidizers and Class B poison described in paragraph 3 below in commerce subject to the requirements specified herein. This exemption authorizes the manufacture, marking, and sale of a collapsible, disposable, polyethylene-lined woven polyethylene bulk container bag having a capacity not greater than 2200 pounds each with top and bottom outlets, for shipment of flammable solids, corrosive solids, oxidizers, and poison B solids, and provides no relief from any regulation other than as specifically stated.

2. **BASIS.** This exemption is based on Walpole Incorporated's application dated March 21, 1989, submitted in accordance with 49 CFR 107.105 and the public proceeding thereon.

3. **HAZARDOUS MATERIALS (Descriptor and class).** Zinc dust, classed as flammable solid; Sodium nitrate, Aluminum nitrate, Ammonium nitrate-carbonate mixture, Ammonium nitrate fertilizer, Trichloro-s-triazinetrione dry, classed as oxidizers; Aluminum bromide, anhydrous, Ammonium hydrogen fluoride, Antimony tribromide, Bromoacetic acid, Chloroacetic acid, Sodium hydroxide, classed as corrosive materials; Arsenic trioxide, Waste arsenaical mix; classed as poison B; and other solid materials classed as flammable solids, oxidizers, corrosive materials, or poison B materials specifically identified to, and acknowledged in writing by the Office of Hazardous Materials Transportation (OHMT) prior to the first shipment.

4. **PROPER SHIPPING NAME (49 CFR 172.101).** Flammable solid n.o.s., Oxidizer, n.o.s., Corrosive solid, n.o.s., Poison B solid, n.o.s., or the specific chemical name or generic commodity description, as appropriate.


6. **MODES OF TRANSPORTATION AUTHORIZED.** Motor vehicle, rail freight, and cargo vessel. Shipment by cargo vessel must be made in accordance with Appendix A of this exemption.

7. **SAFETY CONTROL MEASURES.**

   a. Packaging prescribed is a non-DOT specification collapsible flexible bag, disposable (non-reusable) bulk container. Bag is fabricated of woven polypropylene, incorporating liftstraps of woven polyester webbing plus a lining of polyethylene film (of 0.0035 inch minimum thickness), and having discharge and inlet openings closed by means of polypropylene rope, and a capacity of not over 2,200 lbs. Bag prepared for shipment must be capable of satisfactorily withstanding: free-fall Drop test (three from a height of four feet); Jar test; Topple test; Topple & Drag test; Righting test as described in "Procedures for Performance Testing of Flexible Intermediate Bulk Containers", Packaging Institute, U.S.A. procedure T-4192-85, dated February 1985.
b. For shipment by cargo vessel, each bulk bag containing any of the commodities identified in paragraph 3 above and authorized for transportation by vessel must be overpacked in accordance with the Secondary Containment Requirements specified in Appendix A of this exemption.

8. SPECIAL PROVISIONS.

a. Shippers may use the packaging covered by this exemption pursuant to 49 CFR 173.22a.

b. Shipment by highway must be in closed vehicles or freight containers, in full truckloads only, except that ammonium nitrate fertilizer need not be in closed vehicles.

c. Shipment by rail must be in box cars except that COFC or TOFC service is authorized in accordance with 49 CFR 174.61.

d. The marking requirements of Section 172.301 must be complied with.

e. 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.

f. Each packaging manufactured in accordance with the requirements of this exemption must be marked in a manner which identifies the physical location (city and state) of the facility at which it is manufactured.

g. When bulk bags are transported by vessel, the following additional special provisions apply:

i. Bulk bags must be enclosed in a secondary containment system in accordance with Appendix A of this exemption. "Secondary containment system" means a closed or open freight container or transport vehicle.

ii. Bulk bags containing ammonium nitrate fertilizer, sodium nitrate, or sodium nitrite must be shipped as follows:

(1) In open or closed freight containers or transport vehicles; or

(2) As break-bulk cargo, provided-

(a) No readily combustible hazardous material or non-regulated material is stowed in the same hold or compartment.

(b) The hold or compartment is dry and thoroughly cleaned of all loose debris and dunnage.
Continuation of DOT-E 10155

(c) The hatches are inspected for weathertightness before loading.

(d) The hold or compartment is free of sharp projections which could tear or puncture the bulk bags.

(e) After the bags are unloaded, the hold or compartment is inspected for spillage and any residue removed.

iii. Whenever a bulk bag containing a material classed as an oxidizer is loaded or unloaded as break bulk cargo:

(1) Firehoses must be laid out in the loading or unloading area must be operable at all times.

(2) Smoking, carrying matches or lighting devices, or performing hot work shall be prohibited in the loading or unloading area; and the area posted with appropriate warning signs.

iv. The provisions of 49 CFR 176.410(d), except subparagraphs (d)(1) and (d)(2), do not apply to shipments of ammonium nitrate fertilizer under this exemption.

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

9. REPORTING REQUIREMENTS. Any incident involving loss of packaging contents or packaging failure must be reported to the ORMT as soon as practicable.


Issued at Washington, D.C.: 

[Signature]

Alan L. Roberts
Director
Office of Hazardous Materials Transportation


Dist: FHWA, FRA, USCG.
### APPENDIX A

**FLEXIBLE INTERMEDIATE BULK CONTAINERS (BULK BAGS)**

**SECONDARY CONTAINMENT REQUIREMENTS**

**FOR SHIPMENT BY CARGO VESSEL**

<table>
<thead>
<tr>
<th>Hazardous Materials</th>
<th>UN Number</th>
<th>Secondary Containment (Freight Container or Transport Vehicle)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum bromide, anhydrous</td>
<td>UN 1725</td>
<td>open or closed</td>
</tr>
<tr>
<td>Aluminum nitrate</td>
<td>UN 1438</td>
<td>not required</td>
</tr>
<tr>
<td>Ammonium hydrogen fluoride, solid</td>
<td>UN 1727</td>
<td>open or closed</td>
</tr>
<tr>
<td>Ammonium nitrate-carbonate mixture</td>
<td>UN 2068</td>
<td>not required</td>
</tr>
<tr>
<td>Ammonium nitrate fertilizer</td>
<td>UN 2067</td>
<td>not required</td>
</tr>
<tr>
<td>Ammonium persulfate</td>
<td>UN 1444</td>
<td>not required</td>
</tr>
<tr>
<td>Antimony tribromide</td>
<td>UN 1549</td>
<td>open or closed</td>
</tr>
<tr>
<td>Arsenic trioxide</td>
<td>UN 1561</td>
<td>open or closed</td>
</tr>
<tr>
<td>Bromoacetic acid</td>
<td>UN 1938</td>
<td>open or closed</td>
</tr>
<tr>
<td>Calcium cyanide, solid</td>
<td>UN 1575</td>
<td>Bulk bags not authorized</td>
</tr>
<tr>
<td>Chloroacetic acid, solid</td>
<td>UN 1751</td>
<td>open of closed</td>
</tr>
<tr>
<td>Chromic acid, soleid</td>
<td>UN 1463</td>
<td>Bulk bags not authorized</td>
</tr>
<tr>
<td>Magnesium granules, coated</td>
<td>UN 2950</td>
<td>closed only</td>
</tr>
<tr>
<td>Para-nitro-toluene sulfonic acid</td>
<td>UN 2811</td>
<td>open of closed</td>
</tr>
<tr>
<td>Potassium dichloro-s-triazinetrine</td>
<td>UN 1479</td>
<td>open or closed</td>
</tr>
<tr>
<td>Potassium persulfate</td>
<td>UN 1492</td>
<td>not required</td>
</tr>
<tr>
<td>Sodium azide</td>
<td>UN 1687</td>
<td>open or closed</td>
</tr>
<tr>
<td>Sodium dichloro-s-triazinetrine</td>
<td>UN 1479</td>
<td>open or closed</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>UN 1823</td>
<td>open or closed</td>
</tr>
<tr>
<td>Sodium nitrate</td>
<td>UN 1498</td>
<td>not required</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>UN 1500</td>
<td>not required</td>
</tr>
<tr>
<td>Sodium perborate monohydrate</td>
<td>UN 1479</td>
<td>open or closed</td>
</tr>
<tr>
<td>Sodium persulfate</td>
<td>UN 1505</td>
<td>not required</td>
</tr>
<tr>
<td>Sodium sulfide, anhydrous</td>
<td>UN 1385</td>
<td>Bulk bags not authorized</td>
</tr>
<tr>
<td>TEMIK (Aldicarb pesticide)</td>
<td>UN 2588</td>
<td>open or closed</td>
</tr>
<tr>
<td>Trichloroisocyanuric acid, dry</td>
<td>UN 2468</td>
<td>open or closed</td>
</tr>
<tr>
<td>Trichloro-s-triazinetrine, dry</td>
<td>UN 2468</td>
<td>open or closed</td>
</tr>
<tr>
<td>Waste arsenical mixture</td>
<td>UN 1557</td>
<td>open or closed</td>
</tr>
<tr>
<td>Zinc dust</td>
<td>UN 1438</td>
<td>closed only</td>
</tr>
</tbody>
</table>