



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

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

SEP 2 2003

DOT-E 11230  
(SEVENTH REVISION)

EXPIRATION DATE: June 30, 2005

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. **GRANTEE:** Dyno Nobel Inc.  
Salt Lake City, UT

(See Appendix A of this exemption for additional grantees)

2. **PURPOSE AND LIMITATION:**

a. This exemption authorizes the transportation in commerce of certain Division 1.1B and 1.4B non-electric detonator assemblies without packagings in the same motor vehicle with Division 1.1D and/or 1.5D explosives and/or Division 5.1 oxidizers when those detonator assemblies are placed within the partitioned IME Safety Library Publication No. 22 containers or compartments described herein, subject to the special provisions herein. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than specifically stated herein.

b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.

3. **REGULATORY SYSTEM AFFECTED:** 49 CFR Parts 106, 107 and 171-180.
4. **REGULATIONS FROM WHICH EXEMPTED:** 49 CFR § 173.62(c)-Packing Method US004; § 177.835(g)(3)(i); § 177.848(f) Table, in that combinations of Compatibility Groups B and D in the same motor vehicle are not authorized, except as specified herein.
5. **BASIS:** This exemption is based on Dyno Nobel Inc.'s application dated August 6, 2003, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Detonator assemblies, non- electric (shipped on the same motor vehicle with Division 1.1D and/or 1.5D explosives and/or Division 5.1 Oxidizers)	1.1B	UN0360	II
Detonator assemblies, non- electric (shipped on the same motor vehicle with Division 1.1D and/or 1.5D explosives and/or Division 5.1 Oxidizers)	1.4B	UN0361	II

7. SAFETY CONTROL MEASURES:

- a. Outer packaging is a standard IME Safety Library Publication No. 22 container or compartment. Inner packaging consists of partitions made of not less than 0.64 cm (1/4 inch) thickness welded aluminum metal plate which has been covered with a layer of 1.27 cm (1/2 inch) thickness gypsum board on all adjoining cell wall surfaces. Each partitioned cell must be designed to prevent the movement of the detonator assemblies from the cell in which they are placed, even if the container or compartment is inverted.
- b. No more than 25 non-electric detonator assemblies may be placed in any one partitioned cell.
- c. Non-electric detonator assemblies may not contain more than 1 gram of explosive in each device, excluding ignition and delay charge.
- d. No more than 1000 non-electric detonator assemblies may be transported within the partitioned IME S.L.P. No.22 container or compartment in the same shipment with Division 1.1D and/or 1.5D explosives and/or Division 5.1 oxidizers.
- e. The IME S.L.P. No. 22 container or compartment must provide for total enclosure of the contents and the only direct access to the container or into the compartment may be from outside the vehicle.

8. SPECIAL PROVISIONS:

- a. Any partitioning attachment to the inner walls may not compromise or weaken the structural integrity of the IME 22 container or compartment barrier laminate.
- b. Shippers using the packaging covered by this exemption must comply with all provisions of this exemption, and all other applicable requirements contained in 49 CFR Parts 171-180.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.

10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each motor vehicle used to transport packages covered by this exemption.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq.:

- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Registration required by § 107.601 et seq., when applicable.

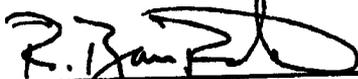
Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by § 172.700 through § 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving fire, explosion or loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.)

In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incidents involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:



SEP 2 2003

(DATE)

*for* Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.  
Attention: DHM-31.

Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at <http://hazmat.dot.gov/exemptions> Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: SCWatson/alb

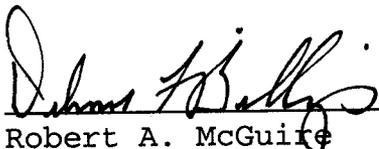
**OCT 26 2004**

The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

<b>Company Name City/State</b>	<b>Application Date</b>	<b>Issue Date</b>	<b>Expiration Date</b>
Alaska Pacific Powder Company Olympia, WA	Sep 03, 2003	Sep 24, 2003	Jun 30, 2005
American East Explosives, Inc. Springfield, MO	Sep 03, 2003	Sep 24, 2003	Jun 05, 2005
Austin Powder Company Cleveland, OH	Jul 21, 2003	Aug 07, 2003	Jun 30, 2005
Austin Powder Illinois Company, Cleveland, OH	Sep 17, 2004	Sep 28, 2004	Jun 30, 2005
Boren Explosives Company, Inc. Parrish, AL	Aug 19, 2003	Sep 11, 2003	Jun 30, 2005
Buckley Powder Company Englewood, CO	Aug 18, 2003	Sep 11, 2003	Jun 30, 2005
Buckley Powder Company of Oklahoma, Inc. Mill Creek, OK	Aug 18, 2003	Sep 11, 2003	Jun 30, 2005
Controlled Explosives Inc. (CONEX) Oakland City, IN	Sep 22, 2003	Oct 03, 2003	Jun 30, 2005
Dykon Blasting Corp. Tulsa, OK	Sep 29, 2004	<b>OCT 26 2004</b>	Jun 30, 2005
Ed's Drilling & Blasting Company Washington, MO	Jun 26, 2003	Jul 09, 2003	Jun 30, 2005
Edward N. Rau Contractor Co. Washington, MO	Jun 26, 2003	Sep 02, 2003	Jun 30, 2005
Explosive Contract Carriers, Inc. Branson, MO	May 13, 2004	Jul 6, 2004	Jun 30, 2005
Explosive Contractors, Inc. Branson, MO	Aug 28, 2003	Sep 24, 2003	Jun 30, 2005

OCT 26 2004

Company Name City/State	Application Date	Issue Date	Expiration Date
Hilltop Energy, Inc. Mineral City, OH	Mar 31, 2004	Jul 6, 2004	Jun 30, 2005
M.J. Baxter Drilling Company El Cajon, CA	Sep 22, 2003	Oct 17, 2003	Jun 30, 2005
Mine Equipment & Mill Supply Co. (MEMSCO) Dawson Springs, KY	Sep 22, 2003	Oct 03, 2003	Jun 30, 2005
Orica USA Inc. Watkins, CO	Aug 26, 2003	Sep 11, 2003	Jun 30, 2005
R & R Trucking, Inc. Duenweg, MO	Sep 22, 2003	Oct 03, 2003	Jun 30, 2005
Southern Blasting Services, Inc. Ronda, NC	Sep 15, 2003	Sep 24, 2003	Jun 30, 2005
Viking Explosives & Supply, Inc. Rosemount, MN	Sep 15, 2003	Oct 03, 2003	Jun 30, 2005
Western Explosive Systems Company dba WESCO Salt Lake City, UT	Sep 23, 2003	Oct 03, 2003	Jun 30, 2005



for Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety