

transportation law (49 U.S.C. 5117(b); 49 CFR 1.53(b)).

Issued in Washington, DC, on October 12, 1999.

**R. Ryan Posten,**

*Exemptions Program Officer, Office of Hazardous Materials Exemptions and Approvals.*

Application No.	Docket No.	Applicant	Modification of exemption
8308-M .....	.....	Tradewind Enterprises, Inc., Hillsboro, OR (See Footnote 1) .....	8308
8554-M .....	.....	Dyno Nobel, Inc., Salt Lake City, UT (See Footnote 2) .....	8554
8723-M .....	.....	Dyno Nobel, Inc., Salt Lake City, UT (See Footnote 3) .....	8723
10929-M .....	.....	Matheson Tri-Gas, Parsippany, NJ (See Footnote 4) .....	10929
11327-M .....	.....	Phoenix Services Limited Partnership, Pasadena, MD (See Footnote 5).	11327
11537-M .....	.....	JCI Jones Chemicals, Inc., Milford, VA (See Footnote 6) .....	11537
11545-M .....	.....	Bernzomatic, Medina, NY (See Footnote 7) .....	11545
11620-M .....	.....	CCL Container (Advanced Monobloc Aerosol Div.), Hermitage, PA (See Footnote 8).	11620
12098-M .....	RSPA-1998-3994 ..	Carleton Technologies, Inc., Orchard Park, NY (See Footnote 9) ...	12098

<sup>1</sup> To modify the exemption to allow for charges to the Health Physicist's evaluation functions of on-site operations in the safe handling of radioactive materials.

<sup>2</sup> To modify the exemption to allow for the transportation of additional Division 5.1 materials in certain motor vehicles and cargo tanks.

<sup>3</sup> To modify the exemption to allow for the transportation of additional Division 5.1 materials in certain motor vehicles and portable tanks.

<sup>4</sup> To modify the exemption to allow for the transportation of certain Division 2.3 materials in tanks cars.

<sup>5</sup> To modify the exemption to allow for the use of an additional container design type for the transportation of regulated medical waste.

<sup>6</sup> To modify the exemption to include an additional UN31H1 intermediate bulk container as authorized packaging for the transportation of certain Class 8 materials.

<sup>7</sup> To modify the exemption to allow for the use of an additional container design type for the transportation of certain Division 2.1 materials.

<sup>8</sup> To modify the exemption to allow for the transportation of alternate refrigerants (Division 2.2) in certain DOT Specification 2Q containers.

<sup>9</sup> To modify the exemption to allow a change to the marking requirements of a non-DOT specification cylinder for the transportation of certain Division 2.2 compressed gases.

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**DEPARTMENT OF TRANSPORTATION**

**Research and Special Programs Administration**

**Office of Hazardous Materials Safety; Notice of Applications for Exemptions**

**AGENCY:** Research and Special Programs Administration, DOT.

**ACTION:** List of applicants for exemptions.

**SUMMARY:** In accordance with the procedures governing the application for, and the processing of, exemptions from the Department of Transportation's Hazardous Materials Regulations (49 CFR part 107, subpart B), notice is

hereby given that the Office of Hazardous Materials Safety has received the applications described herein. Each mode of transportation for which a particular exemption is requested is indicated by a number in the "Nature of Application" portion of the table below as follows: 1—Motor vehicle, 2—Rail freight, 3—Cargo vessel, 4—Cargo aircraft only, 5—Passenger-carrying aircraft.

**DATES:** Comments must be received on or before November 17, 1999.

**ADDRESS COMMENTS TO:** Records Center, Research and Special Programs, Administration, U.S. Department of Transportation, Washington, DC 20590.

Comments should refer to the application number and be submitted in triplicate. If confirmation of receipt of comments is desired, include a self-

addressed stamped postcard showing the exemption application number.

**FOR FURTHER INFORMATION CONTACT:**

Copies of the applications (See Docket Number) are available for inspection at the New Docket Management Facility, PL-401, at the U.S. Department of Transportation, Nassif Building, 400 7th Street, SW, Washington, DC 20590 or at <http://dms.dot.gov>.

This notice of receipt of applications for new exemptions is published in accordance with Part 107 of the Federal hazardous materials transportation law (49 U.S.C. 4117(b); 49 CFR 1.53(b)).

Issued in Washington, DC, on October 12, 1999.

**R. Ryan Posten,**

*Exemptions Program Officer, Office of Hazardous Materials Exemptions and Approvals.*

**NEW EXEMPTIONS**

Application No.	Docket No.	Applicant	Regulation(s) affected	Nature of exemption thereof
12350-N .....	RSPA-1999-6289	BAC Technologies Ltd, West Liberty, OH.	49 CFR 173.302(a)(5), 173.34, 175.3, 178.46.	To authorize the manufacture, marking and sale of non-DOT specification fiber reinforced plastic full composite cylinders for the transportation in commerce of certain compressed gases. (modes 1, 2, 3, 4, 5.)
12351-N .....	RSPA-1999-6290	Nalco/Exxon Energy Chemicals, L.P., Freeport, TX.	49 CFR 177.834(i)(3) .....	To authorize an electronic monitoring system without the physical presence of an unloader within 25 feet of cargo tanks during loading operations. (mode 1)

## NEW EXEMPTIONS—Continued

Application No.	Docket No.	Applicant	Regulation(s) affected	Nature of exemption thereof
12353-N .....	RSPA-1999-6291	Monson Companies, South Portland, ME.	49 CFR 172.203(a), 177.834(h).	To authorize the unloading of certain Class 8 and Division 5.1 liquids from UN31H1 and UN31H2 Intermediate Bulk Containers without removing the tanks from the vehicles on which it is transported and without required markings. (mode 1)
12354-N .....	RSPA-1999-6292	Catholic Medical Center, Manchester, NH.	49 CFR 172.101 Col. 8(c), 173.197.	To authorize the transportation in commerce of regulated medical waste classed in Division 6.2, in polyethylene bags overpacked in non-DOT specification bulk bins. (mode 1)
12355-N .....	RSPA-1999-6297	Union Tank Car Company East Chicago, IN.	49 CFR 179.100-4(a), 179.200-4(a).	To authorize the transportation in commerce of various hazardous materials in tank cars equipped with steel inspection port covers. (mode 2)
12356-N .....	RSPA-1999-6293	Memorial Healthcare System, Pembroke Pines, FL.	49 CFR 172.101, Col.8(c), 173.197.	To authorize the transportation in commerce of Regulated medical waste, Division 6.1, in polyethylene bags overpacked in non-DOT specification bulk bins. (mode 1)
12357-N .....	RSPA-1999-6300	PPG Industries, Inc., Pittsburgh, PA.	49 CFR 173.243(d) .....	To authorize the transportation in commerce of toxic liquid, corrosive, organic n.o.s., Division 6.1 in UN31H1/Y rigid plastic intermediate bulk containers. (mode 1)
12358-N .....	RSPA-1999-6302	BIC Corporation, Milford, CT.	49 CFR 172.400 .....	To authorize the transportation in commerce of Lighters or Lighter refills, Division 2.1, without required labelling when packaged in accordance with 49 CFR. (mode 1)
12359-N .....	RSPA-1999-6304	Reilly Industries, Inc., Indianapolis, IN.	49 CFR 173.243(d) .....	To authorize the transportation in commerce of Piperidine, Class 3, in DOT Specification IM 101 portable tanks, UN31A intermediate Bulk Containers and DOT Specification 57 portable tanks equipped with bottom outlets. (mode 1)
12360-N .....	RSPA-1999-6305	EMCORE Corp., Somerset, NJ.	49 CFR 173.187 .....	To authorize the transportation in commerce of Waste, pyrophoric solids, inorganic, n.o.s., Division 4.2, for disposal in UN1A2 packaging that exceed the quantity limitations. (mode 1)
12361-N .....	RSPA-1999-6306	PurePak Technology Corp., Gilbert, AZ.	49 CFR 173.159(f)(1) .....	To authorize the transportation in commerce of Nitric Acid, Class 8, in specially designed combination packaging. (modes 1, 2, 3)

**Note:** Correction to FR Vol. 68 No. 183, Wednesday, September 22, 1999, Page 51366 "List of Applications for Exemptions" Autoclave Engineers (Modes of Transportation) should have read "1 and 4" instead of "1".

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## DEPARTMENT OF TRANSPORTATION

## Research and Special Programs Administration

[Docket No. RSPA-99-5143 (Notice No. 99-11)]

## Safety Advisory; High Pressure Aluminum Seamless and Aluminum Composite Hoop-Wrapped Cylinders

AGENCY: Research and Special Programs Administration (RSPA), DOT.

ACTION: Safety advisory notice.

**SUMMARY:** Recently, a DOT-3AL cylinder made of aluminum alloy 6351-T6 ruptured while being filled. The purpose of this notice is to alert owners, users, and other persons responsible for the maintenance of certain cylinders

made of aluminum alloy 6351-T6 of potential safety problems and to advise them to follow the precautionary measures outlined in this notice. Also, RSPA requests information on other failures, if any, involving cylinders made of aluminum alloy 6351-T6, which may not have been previously reported to the agency.

**FOR FURTHER INFORMATION CONTACT:** Mark Toughiry or Stanley Staniszewski, Office of Hazardous Materials Technology, Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street SW, Washington DC 20590-0001; telephone number (202) 366-4545; or by E-mail to "rules@rspa.dot.gov" and referring to the Docket and Notice numbers set forth above.

**SUPPLEMENTARY INFORMATION:** RSPA ("we") has been notified of the rupture of a DOT-3AL seamless aluminum

cylinder made of aluminum alloy 6351-T6. The cylinder was manufactured by Luxfer (USA) under exemption DOT-E 6498, in June 1977, as part of a self-contained breathing apparatus (SCBA) unit. The rupture occurred in Summerfield, North Carolina, while the cylinder was being filled to its marked service pressure of 2,216 pounds per square inch gauge (psig). We have requested that the manufacturer, Luxfer (USA), conduct a detailed analysis on this cylinder to determine the cause of the failure.

To date, we are aware of twelve ruptures within the United States involving DOT-3AL cylinders made of aluminum alloy 6351-T6, dating back to September 1986. Eleven of the ruptured cylinders failed during filling. Analyses have confirmed that most of these cylinders failed due to sustained load cracking (SLC) in the neck and shoulder area of the cylinder.