U.S. Department of Transportation

Research and Special Programs Administration

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

DOT-E 8679 (EXTENSION)
FIRST REVISION December 7, 1988

In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 8679 is hereby extended for the party(ies) listed below by changing the expiration date in paragraph 10 to September 30, 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.

Alan I. Roberts
Associate Administrator
for Hazardous Materials Safety

OCT 31 1994
(DATE)

Dist: FHWA FAA

EXEMPTION HOLDER	APPLICATION DATE
MicroD International Burnsville, MN	September 9, 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 8679
FIRST REVISION

DEC 7 1988

1. MicroD International, Corona, California, is hereby granted an exemption from certain provisions of this Department's Hazardous Materials Regulations to offer packages prescribed herein of certain hazardous materials for transportation in commerce subject to the limitations and special requirements specified herein. This exemption authorizes, primarily, the shipment of a water reactive material via air when packaged in the same outside packaging with separately packaged small quantities of a flammable liquid, a corrosive liquid, a corrosive solid, and non-hazardous materials and provides no relief from any regulation other than as specifically stated.

2. BASIS. This exemption is based on MicroD International's application dated August 8, 1988 submitted in accordance with 49 CFR 107.105, and the public proceeding thereon.

3. HAZARDOUS MATERIALS (Descriptor and class). Potassium borohydride, classed as flammable solid; sulfuric acid mixture, classed as corrosive material; sodium hydroxide, classed as corrosive material (solid); acetone, classed as flammable liquid.

4. PROPER SHIPPING NAME (49 CFR 172.101). Both "Chemical kit" and "Water reactive solid, n.o.s."

5. REGULATION AFFECTED 49 CFR 172.101 Table Column 6a, 172.400; 173.286; 175.3, 175.30.

6. MODES OF TRANSPORTATION AUTHORIZED. Motor vehicle, passenger-carrying aircraft, cargo-only aircraft.

7. SAFETY CONTROL MEASURES.

a. Packaging prescribed is a non-DOT specification 200 lb. test corrugated fiberboard box, RSC style, not exceeding 30 lbs. gross weight, having inside several similar style boxes, each containing no more than one hazardous material packed in polypropylene vials plastic bags and metal cans as described in the application. In no case may the outside packaging contain more than:

1. 26 grams of potassium borohydride,
2. 100 ml. of acetone,
3. 100 ml. of sulfuric acid mixture, and
4. 8 grams of sodium hydroxide, dry.

Note: Non-hazardous liquids (quantity unspecified) may also be packaged within the outside packaging.

b. The completed package must be capable of satisfactorily withstanding the tests prescribed in 178.210-10.

c. Each outside packaging must be marked:

Chemical Kit and Water Reactive Solid, n.o.s.

d. Each outside packaging must bear the **FLAMMABLE SOLID** label and the **DANGEROUS WHEN WET** label.

8. SPECIAL PROVISIONS.

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

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

9. REPORTING REQUIREMENTS. Any incident involving loss of contents of the package must be reported to the Office of Hazardous Materials Transportation as soon as practicable.

10. EXPIRATION DATE. November 30, 1990.

Issued at Washington D.C.:

for Suzanne Hedgepeth

Alan I. Roberts
Director
Office of Hazardous Materials
Transportation

DEC 7 1988
DATE

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

Dist: FHWA, FAA