



Natural Resources    Ressources naturelles  
Canada                    Canada

Minerals and            Secteur des minéraux  
Metals Sector            et des métaux

Ottawa, Ontario        Ottawa (Ontario)  
K1A 0E4                    K1A 0E4

24 February 1998

File:

Reference File:6100 TD 23

Attention: Gary Rosenfield

AEROTECH Consumer Aerospace  
a subsidiary of Industrial Solid Propulsion  
#15-1955 S.Palm St  
Las Vegas,  
Nevada 89104 USA

Dear Sir:

Re:    AUTHORIZATION of 24mm DIAMETER SINGLE USE STANDARD E  
      MODEL ROCKET MOTOR without Ejection Charge  
      Made by AEROTECH Consumer Aerospace

Based on the original December 20,1994 authorization letter and information provided to this office at that time, I declare the E15-PW rocket motor with Part Number # 515PW to be an authorized explosive.

This product is similar to the Aerotech E15 motors authorized December 20,1994 except for the lack of an ejection charge, and is authorized with the proviso that its model rocket engines, model rocket kits and igniters are properly labelled or marked for the Canadian market-place and, that this Type E rocket motor meets the 125 gram net propellant weight limit and the 80 newton-second Total Impulse limits set for toy model rocket engines.

"Canadian Model Rocket Safety Code" and other usage guidelines are summarized in the "Control of Model Rocketry in Canada" booklet.

The following classifications apply:-

Manufacturer's Designation:

E15-PW - Part Number # 515PW - without Ejection Charge

Canadian Explosives Act & Regulations	Class 7, Division 2, Subdivision 3
UN Classification Code	1.3C
UN Number	0186
Proper Shipping Name	"ROCKET MOTORS"
UN Packing Method [8th Edition]	E146

Note: UN Packing Methods are under review and subject to change:

The 1.3C classification is assigned in the absence of UN Series 6 Test Data.    .../2

**Canada**

24 February 1998 - Authorization of ROCKET MOTOR E15-PW - Part Number # 515PW-  
without Ejection Charge Made by AEROTECH Consumer Aerospace Cont'd...

The classification of 1.3C is based on the CIE report numbers 8372 to 8375 and is issued with  
the proviso that the motors and igniters are packaged as follows:

i) Each motor and one Copperhead Igniter are packaged in an inner package consisting of a  
securely closed plastic bag or blister card; the blister card packs or bags are placed in an outer  
UN 4G specification fiberboard box for shipment;

Note: up to 24 blister card packs may be packaged in a non-UN 4G specification inner box and  
up to 6 of these inner boxes may be placed in the outer fiberboard box for shipment.

ii) Up to 600 Copperhead Igniters, in addition to those included with each motor, may be  
shipped with the blister card motor packs provided that the Copperhead Igniters are packaged  
in plastic Blister Box packages.

The Canadian Explosives Act, which classifies these products as Class 7, Division 2,  
Subdivision 3 (7.2.3), restricts the sale of these products to children 12 years of age or older,  
however adult supervision of their use is strongly recommended. Vendors of these products do  
not require a Fireworks Magazine Licence.

Should you require further information please contact us.

Yours truly,



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/wem

cc CERLab  
Compliance Group  
HQ Circulation