

## § 1306.2

but are banned under the Federal Hazardous Substances Act at 16 CFR 1500.18(a)(4).

### § 1306.2 Purpose.

The purpose of this rule is to prohibit the sale of lawn darts, which have been found to present an unreasonable risk of skull puncture injuries to children.

### § 1306.3 Banned hazardous products.

Any lawn dart is a banned hazardous product.

### § 1306.4 Findings.

(a) The Commission has found that lawn darts are being distributed in commerce and present an unreasonable risk of injury.

(b) *The degree and nature of the risk of injury.* (1) The risk that the Commission intends to address in this proceeding is that of puncture of the skulls of children caused by lawn darts being used by children. The potential for these devices to cause these types of injuries is not necessarily obvious to parents or other adults who might buy these items or allow their children to play with them, much less to the children themselves. This is because the tips do not appear sharp enough to present an obvious danger of puncture. The combined factors of weight, the narrow elongated shaft, the speed that the dart is traveling at the time of impact, and the thickness of the child's skull at the point of impact present the risk. The Commission has concluded that all lawn darts have the potential for skull puncture during reasonably foreseeable use or misuse.

(2) Because all lawn darts are being banned, the elimination of lawn darts that can cause skull puncture injuries will also eliminate the punctures of other parts of the body, as well as the lacerations, fractures, and other injuries that have been associated with lawn darts in the past. The Commission's staff estimates that about 670 injuries from lawn darts are treated in U.S. hospital emergency rooms per year. About 40 percent of these are puncture wounds. Approximately 57 percent of the injuries involved the head, face, eye, or ear. Approximately 4 percent of the injured victims were hospitalized (on the average, approxi-

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mately 25 per year), including all of the injuries reported as fractures. Over 75 percent of the victims were under age 15; about 50 percent of the victims were under age 10. In addition, Commission records dating back to 1970 show that at least three children have been killed by injuries associated with lawn darts. These children were 4, 7, and 13 years old. In the 25 lawn dart injury reports for which information about the user of the lawn darts was available, the reports indicated that children were playing with the lawn darts, despite the ban and exemption which were developed to keep the product out of the hands of children.

(c) *Products subject to this ban.* (1) Lawn darts are devices with elongated tips that are intended to be used outdoors and that are designed so that when they are thrown into the air they will contact the ground tip first. Often, lawn darts are used in a game where the darts are thrown at a target or other feature on the ground. The types of lawn darts that have generally been available in the past and that have demonstrated their ability to cause skull puncture injuries typically have a metal or weighted plastic body, on the front of which is an elongated metal shaft about ¼ inch in diameter. These darts have a shaft on the rear of the body containing plastic fins. These darts are about a foot in length and weigh about one quarter to one half pound. These darts are intended to stick in the ground when thrown. Prior to this rule, annual sales of these lawn darts were estimated at 1-1.5 million units.

(2) The definition for lawn darts in this rule is not intended to include arrows or horseshoes, nor is it intended to apply to indoor dart games that use a vertically-placed target, such as "English darts" or "American darts."

(d) *The need of the public for lawn darts, and the effects of the rule on their utility, cost, and availability.* The need of the public for lawn darts is for recreational enjoyment. Substitute recreational enjoyment can be obtained from other products. Lawn darts will not be available through commercial channels after the effective date of the ban.