

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

## SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Identity (As Used on Label and List):** Firefly Additive  
**Product Class:** Skate floor finish optical brightener  
**Emergency Telephone Number:** 800-255-3924  
**Telephone Number for Information:** 650-324-0881  
**Distributor's Name and Address:**  
Roll-On Floor Systems, LLC  
1001 South Main Street  
Euless, Texas 76040

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous Components (Specific Chemical Identity):

| Chemical | Common Name(s)                       | %   |
|----------|--------------------------------------|-----|
| A        | Optical Brightener<br>CAS #7128-64-5 | 100 |

## SECTION III - HAZARDS IDENTIFICATION

### Emergency Overview

**Appearance and Odor:** Yellow powder

**Primary Hazards:** Non-toxic

### Potential Health Hazards

**Route(s) of Entry:** Skin Absorption: X Ingestion: X Inhalation: X

**Eye:** Not expected to irritate

**Skin:** Not expected to irritate

**Ingestion:** Expected to be non-toxic

**Inhalation:** May be irritating

**Signs and Symptoms of Exposure:** None expected

**Carcinogenicity:** NTP? N. Ap. IARC Monographs? N. Ap.

**OSHA Regulated?** N. Ap.

**Target Organ (s):** N. Ap.

**Medical Conditions Generally Aggravated by Exposure:** N. Ap.

**Health Hazards, Chronic:** N. Ap.

## SECTION IV - FIRST AID MEASURES

**If Swallowed:** Do not induce vomiting. Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. **Eye Contact:** Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. **Skin Contact:** Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.

**Sources Used:** Raw material data, general toxicology from the trade for similar products.

## SECTION V - FIRE FIGHTING MEASURES

**Flammability:** N. Ap. **Autoignition Temperature:** N. Ap.

**Flash Point (method used):** >350C (>622F) Marcusson open pain

**Flammable Limits:** N. Ap. LEL UEL

### Extinguishing Media

|                    |                     |                 |
|--------------------|---------------------|-----------------|
| Water? X           | Foam? X             | Water Fog?      |
| Alcohol Foam?      | CO <sub>2</sub> ? X | Dry Chemical? X |
| Vaporizing Liquid? | Other?              |                 |

### Special Fire Fighting Procedures:

**Unusual Fire and Explosion Hazards:**

**TDG Flammability Classification:** N. Ap.

**Sensitivity to Mechanical Impact:** N. Ap.

**Sensitivity to Static Discharge:** In dust form

## SECTION VI - ACCIDENTAL RELEASE MEASURES

### Steps to be Taken in Case Material is Released or Spilled:

Contain spill, collect dry material and dispose in accordance with Section XIII.

## SECTION VII - HANDLING AND STORAGE

**Precautions to be Taken in Handling and Storing:** Normal care in handling.

**Storage Temperature:** NA

**Other Precautions:** Keep out of reach of children.

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection (Specify Types):** Not required

**Ventilation:** Local Exhaust: Not required **Special:** NR  
**Mechanical (General):** Normal good ventilation sufficient.  
**Other:** Not required

**Protective Gloves:** Natural rubber or synthetic

**Eye Protection:** Approved goggles or glasses **Footwear:** NA

**Other Protective Clothing or Equipment:** NA

**Work/Hygienic Practices:** Do not contaminate food or beverages with chemicals.

## SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

**Boiling Point:** N. Ap.

**pH:** N. Ap.

**Specific Gravity (H<sub>2</sub>O) = 1:** 1.26

**% Volatile:** <0.5

**Vapor Density (Air = 1):** N. Ap.

**Odor Threshold:** N. Av.

**Evaporation Rate (Butyl Acetate = 1):** N. Ap.

**Oil/Water Distribution Coefficient:** N. Ap.

**Solubility in Water:** Insoluble

**Vapor Pressure (MM HG):** N. Ap.

**Melting Point:** 196-203°C (384-397°F°)

## SECTION X - STABILITY AND REACTIVITY

**Stability:** Unstable: Stable: X

**Conditions to Avoid:** N. Ap.

**Incompatibility (materials to avoid):** N. Ap.

**Hazardous Decomposition or By-products:** N. Ap.

**Hazardous Polymerization:** May occur: Will not occur: X

**Conditions to Avoid:** N. Ap.

## SECTION XI - TOXICOLOGICAL INFORMATION

| Chemical | OSHA PEL | ACGIH TLV | Recom. | LD50                         | LC50                         |
|----------|----------|-----------|--------|------------------------------|------------------------------|
| A        | N. Ap.   | N. Ap.    | N. Ap. | >10,000 mg/kg<br>(rat, oral) | >1,800 mg/M3<br>(4 hr., rat) |

**Teratogen, Mutagen, Reproductive Toxin Status:** N. A.v.

**Toxicologically Synergistic Products:** N. Av.

## SECTION XII - ECOLOGICAL INFORMATION

**Ecotoxicological Information:** Zebra fish LC50 >100 ppm Daphnia

**Chemical Fate Information:** Magna LC50 >100 ppm (24 hr.)

## SECTION XIII - DISPOSAL CONSIDERATIONS

### Waste Disposal Method:

Dispose of spilled material in accordance with local, state and federal regulations (incineration in an EPA authorized site is recommended).

**RCRA Hazard Class:** None

## SECTION XIV - TRANSPORT INFORMATION

**Shipping Classification:** Paint additive

**UN Number:** N. Ap.

**Packing Group:** N. Ap.

## SECTION XV - PREPARATION DATA

**Prepared By:** Mike Elms

**Telephone Number:** 651-481-1900

**Date:** 1-10

## SECTION XVI - REGULATORY INFORMATION

### US Federal Regulations

**TSCA Status:** All ingredients listed

**CERCLA Reportable Quality:** None

### SARA Title III

**Section 302 Extremely Hazardous Chemicals:** N. Ap.

**Section 311/312 Hazard Category:** N. Ap.

**Section 313 Toxic Chemicals:** N. Ap.

### State Regulations

**NOTICE STATE OF CALIFORNIA**

Warning: This product may contain chemicals known to the State of California to cause cancer or reproductive defects as trace impurities in the standard industrial materials used in the manufacture of this product.

### International Regulations

**WHMIS Controlled Product Hazard Class:** N. Ap.

## SECTION XVII - OTHER INFORMATION

None

N. Ap. - Not Applicable; N.Av. - Not Available

## NFPA SYSTEM

1 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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