

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Roll-On Blue
Product Class: Skate Floor Finish
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
Eules, Texas 76040

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	Mineral spirits CAS #8052-41-3	30 - 60
B	2-Butoxy ethanol CAS #111-76-2	1 - 5
C	1-Butanol CAS #71-36-3	1 - 5
D	Tung oil CAS #8001-20-5	10 - 30
E	Phenolic resin CAS #54579-44-1	10 - 30
F	Titanium dioxide CAS #13463-67-7	10 - 15
G	Pigment dispersion (proprietary)	< 1

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview
Appearance and Odor: Blue liquid, solvent odor.
Primary Hazards: Harmful or fatal if swallowed. Vapor may be harmful. Flammable. Irritant.

Potential Health Hazards
Route(s) of Entry: Skin Absorption: X Ingestion: Inhalation: X
Eye: May cause irritation on contact.
Skin: May cause irritation on contact.
Ingestion: May be harmful if swallowed.
Inhalation: Vapor may be harmful.

Signs and Symptoms of Exposure: Eyes and Skin: Irritation, redness. Inhalation: Irritation, central nervous system effects (dizziness, headaches, nausea, etc.).
Carcinogenicity: NTP? No IARC Monographs? No

OSHA Regulated? No
Target Organ (s): Skin, eyes, liver, kidneys, lymphoid system, respiratory system and central nervous system.

Medical Conditions Generally Aggravated by Exposure: Skin and respiratory (asthma-like) conditions.

Health Hazards, Chronic: Reports have associated repeated or prolonged occupational exposure to solvents with permanent brain and central nervous system damage (sometimes referred to as Solvent or Painters Syndrome). Overexposure may cause damage to one or more of target organs.

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:
If Swallowed: Do not induce vomiting. Call a physician immediately. **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. **Inhalation:** If ill effects occur from breathing vapors, remove victim to fresh air and quiet and keep warm.
Sources Used: Raw material data, general toxicology from the trade for similar products.

SECTION V - FIRE FIGHTING MEASURES

Flammability: Flammable **Autoignition Temperature:** N. Ap.
Flash Point (method used): 95°F (40°C) PMcc
Flammable Limits: N. Av. LEL .7% UEL 10.0%
Extinguishing Media
Water? Foam? X Water Fog? X
Alcohol Foam? CO2? X Dry Chemical? X
Vaporizing Liquid? X Other?
Special Fire Fighting Procedures: Exclude air. Water hose stream may spread fire. Use water spray to keep containers cool.
Unusual Fire and Explosion Hazards: N. Av.
TDG Flammability Classification: Not known
Sensitivity to Mechanical Impact: None
Sensitivity to Static Discharge: Normal, for flammable liquid.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled:
Extinguish all sources of possible ignition (flames, sparks, pilot lights, etc.) and provide ventilation. Dike and contain spill with inert material (sand, earth, etc). Collect spill with absorbent material (example: floor-dri). Wash affected area with soap and water.

SECTION VII - HANDLING AND STORAGE

Precautions to be Taken in Handling and Storing:
Normal care in handling and storage. Do not store near heat or open flame.
Other Precautions: Keep out of reach of children.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Not normally required
Ventilation: Local Exhaust: Not required **Special:** Not required
Mechanical (General): Ventilate to maintain vapor level below TLV & PEL (listed in Section XI) **Other:** Not required
Protective Gloves: Natural rubber or synthetic.
Eye Protection: Approved safety goggles or glasses. **Footwear:** Not required
Other Protective Clothing or Equipment: Not required
Work/Hygienic Practices: Do not use in food handling or storage areas when food is present.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Mineral spirits 232-390°F (162-199°C) **pH:** N. Ap.
Specific Gravity (H2O) = 1: .973 **% Volatile:** < 50
Vapor Density (Air = 1): > 1 **Odor Threshold:** N. Av.
Evaporation Rate (Butyl Acetate = 1): < 1 **Oil/Water Distribution Coefficient:** N. Av.
Solubility in Water: Negligible
Vapor Pressure (MM HG): N. Av.
Melting Point: N. Ap.

SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X
Conditions to Avoid: N. Ap.
Incompatibility (materials to avoid): Strong oxidizers
Hazardous Decomposition or By-products: N. Av.
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	100 ppm	100 ppm	N. Av.	34,600 mg/kg (rat, oral)	21,400 mg/M3 (4 hrs.)
B	25 ppm	20 ppm (skin)	25 ppm (skin)	1.48 g/kg (rat, oral)	450 ppm (4 hrs., rat)
C	50 ppm	50 ppm	N. Av.	2,500 mg/kg (rat, oral)	> 8,000 ppm (4 hrs, rat)
D	N. Ap.	N. Ap.	N. Ap.	N. Av.	N. Av.
E	N. Ap.	N. Ap.	N. Ap.	N. Av.	N. Av.
F	N. Ap.	N. Ap.	N. Av.	N. Av.	N. Av.
G	N. Ap.	N. Ap.	N. Av.	N. Av.	N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: No
Toxicologically Synergistic Products: N. Av.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicological Information: N. Av.
Chemical Fate Information: N. Av.

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: D001, Characteristic flammable

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: paint (class 3.3)
UN Number: 1263
Packing Group: III

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: None
Section 311/312 Hazard Category: Immediate health, chronic health, fire.
Section 313 Toxic Chemicals: 1 Butanol

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: B2

SECTION XVII - OTHER INFORMATION

None
N. Ap. - Not Applicable; N. Av. - Not Available

NFPA SYSTEM

2 A. Health Hazard 3 A. Fire Hazard 0 A. Reactivity Hazard

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