

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name	STAR BRIGHT
CAS#	Mixture
Product Use	Aqueous floor finish
Manufacturer	Powr-Flite, A Division of Tacony Corporation 3101 Wichita Court Fort Worth, TX 76140-1710
Emergency Telephone Number	1-800-424-9300
Company Contact	1-800-880-2913 or website www.powrflite.com

HMIS LEGEND

Severe	4	Health	2
Serious	3	Flammability	1
Moderate	2	Reactivity	0
Slight	1	Personal Protection	B
Minimal	0		

2. Hazards Identification

Emergency Overview	Warning: Eye and skin irritant. Combustible. Harmful if swallowed.
Potential short term effects	
Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.
Eyes	May cause irritation.
Skin	Contact with skin causes irritation.
Inhalation	Excessive inhalation may cause respiratory tract irritation, headache, dizziness.
Ingestion	Harmful if swallowed. May cause stomach distress, nausea or vomiting.
Target organs	Eyes, Skin, Respiratory system.
Chronic effects	Prolonged skin exposure can cause drying, defatting, or dermatitis.
Signs and symptoms	Product causes burns of eyes, skin, and mucous membranes. Symptoms of over exposure may be headache, dizziness, tiredness, nausea and vomiting

3. Hazardous Ingredients

The criteria for listing components in this section are: Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater. Non hazardous components are not listed. This is not a composition disclosure.

Hazardous Components	CAS#	%(optional)
Tributoxyethyl phosphate	78-51-3	< 5%
Zinc ammonium carbonate	24012-08-	< 5%
Diethylene glycol methyl ether	111-77-3	< 8%
Dibutyl phthalate	84-74-2	< 2%

4. First Aid Measures

First Aid Procedures	
Eye Contact	Immediately flush with cool running water for 15 minutes. Remove contact lenses if applicable. Get medical attention immediately.
Skin Contact	Immediately flush with cool water for 15 minutes. Wash with soap and water. If irritation persists, get medical attention.
Inhalation	If symptoms develop, move to fresh air. If symptoms persist, get medical attention
Ingestion	Rinse mouth with water. Drink one or two glasses of water. Do not induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person.
Notes to Physician	Symptoms may be delayed.
General advice	Seek medical attention if feeling unwell. Show the MSDS to the physician in attendance.

5. Fire-fighting Measures

Flammable properties	Combustible
Extinguishing media	Foam, carbon dioxide or dry chemical.
Protection of firefighters	Firefighters should wear protective clothing including self contained breathing apparatus
Hazardous combustion products	May include and not limited to oxides of carbon and oxides of phosphorous.
Unusual Fire, Explosion hazards	None known.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing. Stay upwind of spills or leaks.
Methods for containment	Stop leak if you can do so without risk. Prevent entry into waterways, sewers.
Methods for cleaning up	Before attempting clean up refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or water ways. Contact emergency personnel or supplier for advice. Never return spilled material to the original container for reuse.

7. Handling and Storage

Handling	Use good industrial hygiene practices when handling this material. Do not get this material in your eyes, on your skin, or on your clothing.
Storage	Keep out of reach of children. Store in a cool dry place away from incompatible materials.

8. Exposure Controls and Personal Protection

Exposure limits		
Ingredients	OSHA PEL	ACGIH TLV
Tributoxyethyl phosphate	Not available	Not available
Zinc ammonium carbonate	Not available	Not available
Diethylene glycol methyl ether	Not available	Not available
Dibutyl phthalate	5 mg/ ³ average 8 hours	5 mg/m ³ average 8 hours
Engineering controls	General ventilation normally adequate	
Personal protective equipment		
Eye/Face protection	Wear safety glasses with side shields.	
Hand protection	Rubber or nitrile gloves.	
Skin and body	As required by employer code.	
Respiratory protection	Use a NIOSH approved respirator when exposure guidelines are exceeded.	
General hygiene considerations	Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product.	

9. Physical and Chemical Properties

Appearance/form	Milky emulsion
Color	White.
Odor	Mild acrylic
pH	8.0-9.0 (100%)
Boiling point	> 212° F (100° C.0
Specific gravity	1.04-1.05
Evaporation rate	Not available
Vapor pressure	Not available
Vapor density	Not available
Solubility in water	Dispersible
Flash point	> 181° F. (83° C.)

VOC < 10%
 % Volatile Approx. 85%

10. Stability and Reactivity

Chemical Stability	Stable under normal storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Strong acids, strong oxidizers, strong bases.
Hazardous decomposition products	May include but not limited to oxides of carbon, oxides of phosphorous
Hazardous polymerization	Will not occur

11. Toxicological Information

Ingredients	LC50
Tributoxy phosphate	Not available
Zinc ammonium carbonate	Not available
Diethylene glycol methyl ether	Not available
Dibutyl phthalate	25,000 mg/kg mice
Ingredients	LD50
Tributoxy phosphate	Not available
Zinc ammonium carbonate	> 10000 mg/kg rat
Diethylene glycol methyl ether	Not available
Dibutyl phosphate	8-10 g/kg rat
Effects of acute exposure	
Eye	Will cause irritation.
Skin	Causes irritation.
Inhalation	Excessive inhalation may cause respiratory tract irritation, headache, dizziness.
Ingestion	Harmful if swallowed. May cause stomach distress, nausea, or vomiting.
Sensitization	Contains potential respiratory tract sensitizers.
Chronic effects	Non hazardous.
Dibutyl phthalate	Health effects can occur some time after exposure and can last for months or years
Carcinogenicity	
Dibutyl phthalate	Although tested, not classified as a potential carcinogen by IARC, NTP, or OSHA
Mutagenicity	Non hazardous.
Reproductive effects	
Dibutyl phthalate	May damage the developing fetus. May damage the males testes.
Teratogenicity	
Dibutyl phthalate	May be a teratogen in humans.

12. Ecological Information

Eco-toxicity	Components of this product have been identified as having potential environmental concerns.
Environmental effects	Not Available
Aquatic toxicity	Not Available
Persistence and Degradability	Not Available
Bioaccumulation/accumulation	Not Available
Partition coefficient	Not Available
Mobility in environmental media	Not Available
Chemical fate information	Not Available
Other adverse effects	Not Available

13. Disposal Considerations

Waste codes	Not Available
Disposal instructions	Dispose in accordance with local, state, and federal regulations
Wastes from residues/unused product	Containerize. Rinse area with water. Keep out of storm sewer/waterways.
Contaminated packaging	Dispose in accordance with all applicable regulations.

14. Transport Information

Basic shipping requirements:	Not DOT regulated
Proper shipping name	
Hazard class	
UN number	
Packing group	
Special provisions	
Packaging exceptions	

15. Regulatory Information

U.S federal regulations	This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the MSDS contains all of the information required by OSHA.
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HMIS classification

Irritant

Inventory Status

Countries

Inventory Name

On Inventory (Yes/No)*

U.S.

Chemical Inventory List

Yes

Canada

Domestic substances list

Yes

- A "Yes" indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.

16. Other Information

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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April 4, 2014

Supersedes date

March 2, 2011

Reason for update

Conform to OSHA update requirements

Expiration date

April 4, 2017