

# SAFETY DATA SHEET



Date Prepared : 02/04/2009

MSDS No : CFB

Date-Revised : 03/03/2016

Revision No : 2

## COLOR FLUID BLEND

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** COLOR FLUID BLEND**GENERAL USE:** Theatrical special effects. TTB approval date 01/30/09.**PRODUCT CODE:** CFB**MANUFACTURER**

Tarr, LLC

P.O. Box 12570

Portland, OR 97212

**Product Stewardship:** 503-288-5294**24 HR. EMERGENCY TELEPHONE NUMBERS****CHEMTREC (US Transportation) :**(800) 424 - 9300**CANUTEC (Canadian Transportation) :**(613) 996 - 6666

### 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS****Health:**

Acute Toxicity (Oral), Category 3

Acute Toxicity (Inhalation), Category 3

Acute Toxicity (Dermal), Category 3

Target Organ Toxicity (Single exposure), Category 1

**Physical:**

Flammable Liquids, Category 2

**GHS LABEL**

Flame

Skull and  
crossbonesHealth  
hazard**SIGNAL WORD:** DANGER**HAZARD STATEMENTS**

H225: Highly flammable liquid and vapour.

H301: Toxic if swallowed.

H311: Toxic in contact with skin.

H370: Causes damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

**PRECAUTIONARY STATEMENT(S)**

## COLOR FLUID BLEND

### Prevention:

- P260: Do not breathe dust/fume/gas/mist/vapours/spray.
- P270: Do not eat, drink or smoke when using this product.
- P240: Ground and bond container and receiving equipment.
- P102: Keep out of reach of children.
- P243: Take action to prevent static discharges.

### Response:

- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
- P304+P312: IF INHALED: Call a POISON CENTER/doctor/...if you feel unwell.
- P312: Call a POISON CENTER/doctor/...if you feel unwell.
- P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

### Storage:

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- P234: Keep only in original packaging.

### Disposal:

- P273: Avoid release to the environment.
- 4160WT6Y: Dispose of contents/container to an approved waste disposal plant.

## EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** DANGER! Poison. Flammable. Contains methanol. Cannot be made non-poisonous. Liquid and vapor harmful. May be fatal or cause blindness if swallowed. Avoid prolonged breathing of vapors. Avoid contact with eyes and skin. Use only in well ventilated areas.

## POTENTIAL HEALTH EFFECTS

**EYES:** Liquid is moderately irritating to the eyes. High vapor concentrations may also be irritating. Direct contact with the liquid or exposure to its vapors or mists may cause stinging, tearing, redness, swelling and eye damage.

**SKIN:** Liquid is moderately irritating to the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**INGESTION:** POISONOUS. May be fatal or cause blindness if swallowed. Ingestion may have a narcotic effect including signs of CNS depression such as dizziness, headache, drowsiness, loss of coordination, and fatigue.

**INHALATION:** Excessive exposure to this product may cause headache, CNS depression, drowsiness, dizziness, loss of appetite, irritation of the respiratory tract, drunkenness, unconsciousness, or death.

**MEDICAL CONDITIONS AGGRAVATED:** Preexisting diseases in or history of ailments involving skin, central nervous system, liver and kidney.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Ethanol	47 - 53	64-17-5
Methanol	48 - 54	67-56-1

## 4. FIRST AID MEASURES

## COLOR FLUID BLEND

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.

**SKIN:** Flush skin with water. If irritation occurs, get medical attention.

**INGESTION:** Call poison control center or get medical help immediately. If patient is conscious and alert, give 8 ounces of water or juice and induce vomiting, keeping patient's head below hips to prevent aspiration of liquid into lungs. Never induce vomiting on an unconscious person.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**ACUTE EFFECTS:** Shortness of breathing, confused behavior, redness of skin, swelling of tissues, watery eyes, and nausea.

## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use "alcohol resistant" foam, dry chemical, or CO<sub>2</sub>. Water may be ineffective, but water applied as a spray can absorb some of the fire's heat and should be used to keep fire-exposed containers cool.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide and unidentified organic compounds may be formed during combustion.

**EXPLOSION HAZARDS:** When heated above the flash point, this material emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

**FIRE FIGHTING PROCEDURES:** WARNING. Poisonous and Flammable Liquid. Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear, including a positive pressure NIOSH approved SCBA. Cool fire exposed containers with water.

## 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** WARNING. Poisonous and Flammable Liquid. Ventilate area of leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from vapors. Only specially trained or qualified personnel should handle the emergency.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep away from heat, sparks, and flame. Surfaces that are hot may ignite even liquid product in the absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone.

**COMMENTS:** KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition; they may explode and cause injury or death.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**COLOR FLUID BLEND****EXPOSURE GUIDELINES**

<b>OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)</b>				
<b>EXPOSURE LIMITS</b>				
<b>Chemical Name</b>	<b>Type</b>		<b>ppm</b>	<b>mg/m<sup>3</sup></b>
Ethanol	<b>OSHA PEL</b>	<b>TWA</b>	1000	1900
	<b>ACGIH TLV</b>	<b>TWA</b>	1000	1884
	<b>Supplier OEL</b>	<b>TWA</b>	400	980
		<b>STEL</b>	400	1,225
Methanol	<b>OSHA PEL</b>	<b>TWA</b>	200	260
	<b>ACGIH TLV</b>	<b>TWA</b>	200	262
		<b>STEL</b>	250	328

**ENGINEERING CONTROLS:** Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.

**SKIN:** Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

**RESPIRATORY:** If exposure may or does exceed occupational exposure limits (Sec. 8) use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

**PROTECTIVE CLOTHING:** Where splashing is possible, wear impervious clothing and boots.

**WORK HYGIENIC PRACTICES:** Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

**OTHER USE PRECAUTIONS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**COMMENTS:** May be harmful or fatal if swallowed. May irritate body tissues. Use with adequate ventilation. Avoid breathing vapor. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid

**ODOR:** Mild odor.

**COLOR:** Clear, colorless liquid.

**pH:** NA = Not Applicable

**PERCENT VOLATILE:** 100

**FLASHPOINT AND METHOD:** (52°F) TAG CC

**COLOR FLUID BLEND**

**FLAMMABLE LIMITS:** 0.06 to 0.36

**AUTOIGNITION TEMPERATURE:** Not Determined

**VAPOR PRESSURE:** 96

**VAPOR DENSITY:** Heavier than air.

**BOILING POINT:** (147°F) to (241°F)

**FREEZING POINT:** NDA = no data available.

**SOLUBILITY IN WATER:** Soluble

**EVAPORATION RATE:** Slower than ether.

**DENSITY:** 6.62

**SPECIFIC GRAVITY:** 0.777 to 0.830

**(VOC):** 6.588 to 6.62 LBS./gal.

**10. STABILITY AND REACTIVITY**

**REACTIVITY:** Yes

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Avoid heat, sparks, open flames and other ignition sources.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide and unidentified organic compounds may be formed during combustion. There should be no decomposition if stored and applied as directed.

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents, strong acids, strong alkalies.

**11. TOXICOLOGICAL INFORMATION**

**REPRODUCTIVE TOXICITY:** This product contains ethanol. Alcoholic beverage consumption has been associated with birth defects in humans. The relevance of this finding to ethanol exposure in industrial environments is uncertain.

**STOT-SINGLE EXPOSURE:** This product contains ethanol. Alcoholic beverage consumption has been associated with brain damage, heart damage, and pancreatitis in humans. The relevance of these findings to ethanol exposure in industrial environments is uncertain. Laboratory studies have shown that petroleum distillates may cause kidney, liver, or lung damage. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

**COMMENTS:** Poison. May be fatal or cause blindness, if swallowed. Cannot be made nonpoisonous.

**12. ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION:** Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

**EMPTY CONTAINER:** KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue and

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can be dangerous. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition.

**RCRA/EPA WASTE INFORMATION:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Ethyl alcohol solutions

**PRIMARY HAZARD CLASS/DIVISION:** 3

**SECONDARY HAZARD CLASS/DIVISION:** 6.1

**UN/NA NUMBER:** UN 1170

**PACKING GROUP:** II

**NAERG:** 127

**LABEL:** Flammable (3), poison (6.1) liquid

### 15. REGULATORY INFORMATION

#### UNITED STATES

#### DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Flammable  
Liquid



Toxic

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** This product should be reported as an immediate (acute) health hazard, delayed (chronic) health hazard, and a fire hazard.

**FIRE:** Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

**313 REPORTABLE INGREDIENTS:** Methyl alcohol (CAS 67-56-1)

#### 302/304 EMERGENCY PLANNING

**EMERGENCY PLAN:** To the best of our knowledge, none of the chemicals in this product are listed as an extremely hazardous substance under Section 302 of SARA Title III nor does this product contain any other such substances.

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA REGULATORY:** This product is a mixture and each component is listed in the TSCA Inventory of Chemical Substances.

**GENERAL COMMENTS:** The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

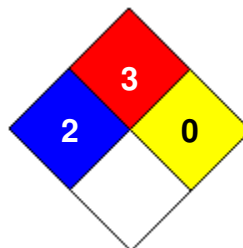
**COLOR FLUID BLEND****16. OTHER INFORMATION**

**PREPARED BY:** Compliance    **Date-Revised:** 03/03/2016

**REVISION SUMMARY:** This MSDS replaces the 02/04/2009 MSDS. Revised: **Section 1:** PREPARED BY. **Section 2:** . **Section 16:** NFPA CODES ( HEALTH, REACTIVITY, NFPA STORAGE CLASSIFICATION ).

**HMIS RATING**

<b>HEALTH</b>		<b>3</b>
<b>FLAMMABILITY</b>		<b>3</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>H</b>	

**NFPA CODES**

**NFPA STORAGE CLASSIFICATION:** These ratings are part of a specific hazard communication program and should be disregarded where individuals are not trained in the use of this hazard rating system. You should be familiar with the hazard communication programs applicable to your workplace.

**HMIS RATINGS NOTES:** The HMIS rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in the SDS must be considered. Personal protection rating to be supplied by user depending on use conditions.

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