

MATERIAL SAFETY DATA SHEET

Manufacturer: S.T.A.R., INC.	Emergency Phone No.	CHEM-TEL 800-255-3924
1400 Walcutt Rd.	Information Phone No.	614-870-0744
Columbus, Ohio 43228	Date of Preparation	April 18, 1994
	Date Supersedes	February 25, 1992

SECTION I- IDENTIFICATION

Product Name:	STAR BRITE FAST-DRYING, LATEX-BASED TRAFFIC PAINT- WHITE	
Chemical Family	- Water Based Paint	H.M.I.S.
Chemical Name	- Proprietary.	Health = 3
Prepared by	- G.C. Dubey	Fire = 2
		Reactivity = 0

SECTION II- HAZARDOUS INGREDIENTS

Ingredients	CAS NO.	WT%	Exposure Limits		Units	Vap. Pres.
			OSHA PEL	ACGIH TLV		
Methanol	67-56-1	4.00	200	200	PPM	92.00
2-2(2-Butoxyrthoxy)-ethanol	112-34-5	1.00	Not Established			0.06
Calcium Carbonate	471-34-1	41.00	10	15(5)	mg/m3	as dust*

*Total Dust (Respirable Fraction)

Notes: (1) Item is subject to reporting requirements under SARA TITLE III, SECTION 313 of the Superfund Amendments and Re authorization Act of 1986. These items are listed on the SARA TITLE III inventory.

(2) This product contains a chemical known to the State of California to cause cancer. Unless noted in this or section V there are no components at detectable levels listed as carcinogens by NTP, IARC, or OSHA. Ingredients total weight % are below 100% only if all other unlisted ingredients are not considered hazardous by any federal (OSHA, WHMIS, SARA), any state province or local Right-To-Know regulations.

SECTION III, PHYSICAL DATA

<u>Boiling Range</u>	<u>Vapor Pressure</u> (mm Hg)	<u>Vapor Density</u> (Air=1)	<u>Appearance</u>
148-448 F	N/A	MORE THAN 1	Bright white liquid with mild odor.
<u>Evaporation Rate</u>	<u>Specific Gravity</u>	<u>% Volatile</u>	<u>Freezing Point</u>
Slower than ether	1.56	50	32 Deg F/ O Deg C
<u>Miscibility with Water</u>	<u>pH</u>	<u>VOC</u>	
Miscible	9.2	1.04	

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

<u>Flammability Classification</u>	<u>Flash Point</u> (method used)	<u>Flammable Limits</u>	
		<u>LEL</u>	<u>UEL</u>
Combustible	130 F (PM)	0.9	36.5

<u>Combustion Products</u>	<u>Extinguishing Media</u>
CO, CO ₂ , Hydrocarbons and other products of combustion.	Alcohol Foam, Dry Chemical, CO ₂ , water.

Unusual Fire and Explosion Hazards: Keep containers tightly closed and away from heat, open flame and sparks. Containers may rupture due to steam pressure build up when exposed to intense heat.

Special Fire Fighting Procedures: Water may be used to Cool exposed containers to prevent pressure build up and possible rupture. Wear self-contained breathing equipment and protective clothing. Water may be ineffective to control fires. If water is used, fog nozzles are preferred.

SECTION V- HEALTH HAZARD DATA

Threshold Limit Value - See section II.
Routes Of Entry - Skin, eyes, inhalation, ingestion.
Effects Of Overexposure - Acute: YES Chronic: Yes

ACUTE

Eyes- May cause severe irritation.
Skin - May cause irritation and rash.
Inhalation- May cause nausea and headache. Prolonged and repeated inhalation may be harmful to respiratory system.
Ingestion- May cause nausea, cramps, vomiting, diarrhea or acute effects. Large dosage may be fatal.

CHRONIC

Overexposure to this material (or its components) has been suggested to cause the following effects in humans;

1. Prolonged exposure may cause adverse affects to the liver and urinary systems.
2. Rats exposed to titanium dioxide dust at 250 mg/m³ developed lung cancer, however, such exposure levels are not attainable in the work place.
3. Repeated and prolonged overexposure to solvents may cause permanent brain and nervous system damage.

ADDITIONAL NOTES

1. Skin absorption may potentially contribute to the overall exposure to Methanol. Appropriate measures shall be taken to meet TLV requirements. NIOSH recommends a limit of 200 ppm/8 hrs. TWA, 800 ppm 15 minutes ceiling for Methanol.
2. Overexposure to methanol or its components has been suggested as a cause for eye damage in humans.

Medical conditions prone to be aggravated by exposure: None

Carcinogenic: IARC- NO ACGIH- NO NTP- NO OSHA- NO

Emergency and First Aid Procedures

Eyes- Immediately flush with plenty of water for 15 minutes. Call a physician if condition persists.
Skin- Wash thoroughly with plenty of water and soap. Remove and wash contaminated clothing. Consult a physician if irritation persists.
Inhalation- move to fresh air, Restore breathing if required. Treat symptomatically. Consult a physician.
Ingestion- Consult a physician immediately or Poison Control Center. Treat symptomatically. Show M.S.D.S. or label.

SECTION VI- REACTIVITY DATA

<u>Stability</u>	<u>Conditions to Avoid</u>	<u>Incompatibility</u>
Stable	Heat, spark and open Flame.	(Materials to avoid) None special noted.

Hazardous Polymerization : Will not occur.

Hazardous Decomposition Products: CO, CO₂, Hydrocarbons and other products of combustion.

SECTION VII- SPILL OR LEAK PROCEDURES

Steps to Be Taken in Case Material is Released or Spilled

Remove sources of heat, sparks or open flames. Limit spread of leak or spill. Ventilate the area. Wear approved respiratory protection. Wear suitable protective clothing, gloves and eye/face protection. Soak up with an inert absorbent material like sand or earth and pick up waste material. Put in a sealed approved container. Keep material out of sewers, drains and bodies of water.

Waste Disposal Method: Do not incinerate in closed container. Incinerate in approved facility. The material is considered hazardous waste and shall be disposed of according to all applicable local, state, and federal regulations.

SECTION VIII- SAFE HANDLING AND PROTECTION INFORMATION

Ventilation: Use local exhaust ventilation to control mists or vapors generated when using this product. Ventilation must be adequate to keep exposure below regulated limits as noted in section II.

Respiratory Protection: Appropriate respiratory protection should be selected by a qualified person if exposure is expected to be excessive.

Protective Gloves: Rubber Gloves, chemically resistant.

Eye Protection: Wear safety glasses, goggles or face shield.

Other Protective Equipment: Wear suitable protective clothing. Remove and wash contaminated clothing before re-use. A source of clean water shall be available for washing eyes and skin.

Hygienic Practices: Wash hands before eating , smoking or using washrooms. Smoke only in designated areas.

SECTION IX- SPECIAL PRECAUTIONS

1. Keep out of reach of children.
2. For professional and industrial use only.
3. Do not handle until manufacturer's safety precautions have been read and understood.
4. Use only with adequate ventilation.
5. Do not take internally.
6. Avoid contact with eyes and skin. Liquid penetrates leather and shoes causing delayed burns.
7. Wash thoroughly after using. Practice safe hygiene principles.
8. Store between 50-100 deg. F. Keep the containers tightly closed after each use.
9. Additional Technical Data Sheets and /or M.S.D.S.'s are available upon request.

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