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**Material Safety Data Sheet**

SANFORD CORP

**MSDS #:** 543-545

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Sanford Corporation  
2711 Washington Boulevard  
Bellwood, IL 60104

TELEPHONE NO: 1-800-323-0749  
DATE OF LAST REVISION: September 2, 2002  
MEDICAL EMERGENCY NO: 1-800-228-5635

**SECTION ONE: PRODUCT INFORMATION**

**PRODUCT NAME:** Prismacolor Turfilm Final Fixative, Gloss and Matte  
**PRODUCT SIZES:** 4.75 oz., 12.75 oz.  
**PRODUCT CLASS:** Aerosols

**SECTION TWO: HAZARDOUS INGREDIENTS**

INGREDIENTS	CAS #	PEL/TLV	MAX WT. %	NTP	IARC
Xylene	1330-20-7	100 ppm	40	-	-
Acetone	67-64-1	750 ppm	40	-	-
Liquefied Petroleum Gas	68478-85-7	1000 ppm	30	-	-

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**SECTION THREE: PHYSICAL AND CHEMICAL CHARACTERISTICS**

**BOILING POINT:** 133°F (Acetone)      **MELTING POINT:** -140°F (Acetone)  
**VAPOR PRESSURE:** 180 mm Hg (Acetone)      **SPECIFIC GRAVITY:** 0.87  
**SPECIFIC VAPOR DENSITY (AIR = 1):** Heavier than air  
**SOLUBILITY IN WATER:** Slight      **REACTIVITY IN WATER:** Non-reactive  
**EVAPORATION RATE (BUTYL ACETATE = 1):** >1  
**APPEARANCE AND ODOR:** Clear liquid; characteristic odor

Sanford Corporation is a member of the Art and Creative Materials Institute, Inc. This product is certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D4236 and is labeled with the CL (Cautionary Label) Seal. Products bearing the CL Seal are certified to be properly labeled in a program of toxicological evaluation by a medical expert for any known health risks and with information on the safe and proper use of these materials. Conforms to ASTM D4236.

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**SECTION FOUR: FIRE AND EXPLOSION INFORMATION****FLASH POINT (METHOD):** 0°F Closed Cup (Acetone)**FLAMMABILITY LIMITS (% BY VOLUME):** LOWER: 2.5% (Acetone) UPPER: 12.8% (Acetone)**EXTINGUISHING MEDIA:** Foam, carbon dioxide, dry chemical**FIRE FIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure buildup and possible bursting when exposed to high temperatures. Firemen should wear self-contained respiratory equipment.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Extremely flammable. Contents under pressure. Containers may burst at temperatures above 130°F.**SECTION FIVE: REACTIVITY DATA****STABILITY:** Stable**CONDITIONS TO AVOID:** Avoid any ignition sources or excessive heat.**CHEMICAL INCOMPATIBILITY:** Nitric plus acetic acids, nitric plus sulfuric acid, amines, strong oxidizing agents**HAZARDOUS DECOMPOSITION:** Carbon monoxide, carbon dioxide**HAZARDOUS POLYMERIZATION:** Will not occur.**SECTION SIX: HEALTH HAZARD DATA****PERMISSIBLE EXPOSURE LEVEL:** See Section Two for component PEL/TLVs.**PRIMARY ROUTES OF ENTRY:****Inhalation:** May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness.**Skin:** Prolonged contact may cause irritation, defatting of skin.**Eye:** May cause moderate eye irritation and moderate corneal injury.**Ingestion:** If aspirated, rapid absorption may occur through the lungs and result in injury to other body systems. Also, gastrointestinal distress may occur.**EFFECTS/SYMPTOMS OF ACUTE EXPOSURE:** If cross-ventilation is not adequate, eye watering, headache, nausea, dizziness, and loss of coordination may occur. Deliberate inhalation may be harmful or fatal.**EFFECTS/SYMPTOMS OF CHRONIC EXPOSURE:** Repeated and prolonged overexposure may lead to permanent brain damage and nervous system damage.**CARCINOGEN LISTING:** NTP: NO IARC: NO OSHA: NO

See Section Two for components affected.

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**MEDICAL CONDITIONS USUALLY AGGRAVATED BY OVEREXPOSURE TO THIS PRODUCT:** Unknown

**FIRST AID MEASURES:**

- Inhalation:** If symptoms occur, move to fresh air. If symptoms persist, see a physician.
- Skin:** Wash off in flowing water or shower.
- Eye:** If eye contact occurs, rinse immediately with water then flush with tap water for fifteen (15) minutes. If irritation persists, seek medical attention.
- Ingestion:** If swallowed, get prompt medical attention. For further health information, contact a poison control center or call 800-228-5635.

**SECTION SEVEN: SPILL OR LEAK PROCEDURES**

- PRECAUTIONS TO BE TAKEN DURING STORAGE/HANDLING:** Do not store above 120°F. Avoid breathing vapors. Avoid prolonged or repeated contact with skin. KEEP OUT OF REACH OF CHILDREN.
- STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED:** Remove all ignition sources. Evacuated area. Contain liquid; transfer to closed containers. Keep out of water entries.
- WASTE DISPOSAL METHOD:** Dispose in accordance with Federal, State, and Local Regulations. Do not incinerate closed or empty containers.

**SECTION EIGHT: PROTECTIVE EQUIPMENT AND CONTROL MEASURES**

**RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS:** NIOSH or Bureau of Mines approved organic vapor-type respirator is required in absence of proper environmental control.

**OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.):** Impervious gloves and safety glasses recommended.

**WORK/HYGIENE PRACTICES:** PRECAUTIONS: Avoid prolonged contact with skin, and breathing vapors. Wash hands immediately after use. When using, do not eat, drink, or smoke. Keep away from eyes. Keep away from heat, sparks, and open flame. Do not smoke, extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors, and other sources of ignition during use and until all vapors are gone. Prevent buildup of vapors - open all windows and doors - use only with cross-ventilation. For situations where vapor levels can buildup to explosion limits, use with an explosion-proof fan motor and switches.

HMIS CODE	
Health:	2
Flammability:	4
Reactivity:	0
Personal Protection:	1

**DANGER: EXTREMELY FLAMMABLE. VAPORS MAY CAUSE FLASH FIRE. VAPORS MAY IGNITE EXPLOSIVELY. FLAMMABLE. CONTENTS UNDER PRESSURE. DO NOT PUNCTURE OR INCINERATE CONTAINER. DELIBERATE MISUSE BY CONCENTRATING AND INHALING VAPORS MAY BE HARMFUL OR FATAL, OR BY BREATHING VAPORS. EYE IRRITANT. EXPOSURE MAY RESULT IN IRRITATION OF THE CHEST, OR NAUSEA, HEADACHE, CONFUSION, OR INSTABILITY. SKIN IRRITANT. CANCER AGENT BASED ON EXPERIMENTAL DATA. EXPOSURE MAY CAUSE DAMAGE TO THE KIDNEYS.**

**CONTAINS: ACETONE, ETHYL BENZENE, XYLENE.**

**KEEP OUT OF REACH OF CHILDREN.**

0=Minimal/4=Extreme Hazard

May be used to comply with OSHA Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.