

MATERIAL SAFETY DATA SHEET

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(08)

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Hazard Rating: (NFPA 704)

		0=Least
Health	1	1=Slight
Fire	3	2=Moderate
Reactivity	0	3=High
Special	none	4=Extreme

SECTION #1 - IDENTIFICATION

PRODUCT NAME: ZAROSEN® or VARNAL®

MAIN HAZARDOUS CHEMICAL INGREDIENTS	PERCENT (%)	OSHA PEL	ACGIH TLV
SDA-23A (Specially denatured alcohol)	92 or 94.8	1000ppm*	1000ppm*
Manila Copal	6.9 or 4.3	none	none

NOTE: Substances listed as hazardous ingredients are those identified as being present at a concentration of 1% or greater, or 0.1% if the substance is classified and listed as a potential carcinogen by OSHA Hazard Communication Standard.

SECTION #2 - PHYSICAL DATA

BOILING POINT:	173°F*	SOLUBILITY IN WATER:	Not determined.
VAPOR PRESSURE:	44.6mm Hg @ 68°F*	MELTING POINT:	N/A
VAPOR DENSITY(air=1):	1.59*	EVAPORATION RATE:	Not determined.
SPECIFIC GRAVITY(water=1):	0.815 @ 60°F*		

APPEARANCE AND ODOR: Amber liquid; alcohol odor.

NOTE: Mixture not tested as a whole.

SECTION #3 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	43°F*
FLAMMABLE LIMITS:	LFL - 3.3%* UFL - 19%*
EXTINGUISHING MEDIA:	Dry chemical; alcohol foam; carbon dioxide.
FIRE AND EXPLOSION HAZARDS:	Flammable. Fire hazard.
FIRE FIGHTING EQUIPMENT:	Keep container cool with water spray. If a leak or spill has not ignited use water spray to dilute or disperse the vapors. Wear positive-pressure self-contained breathing apparatus.

*for pure ethyl alcohol

PRODUCT NAME: ZARROSEN® or VARNAL®

SECTION #4 - REACTIVITY DATA

STABILITY: (conditions to avoid) Stable under normal storage conditions.

INCOMPATIBILITY: (specific materials to avoid) Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION #5 - ENVIRONMENTAL AND DISPOSAL INFORMATION

ACTION TO TAKE FOR SPILLS/LEAKS: Contain spilled material. Transfer to secure containers. Where necessary, collect using absorbent media.

DISPOSAL METHOD: All recovered material should be handled in conformance with applicable laws and regulations.

SECTION #6 - HEALTH HAZARD DATA (Symptoms of Overexposure)

EYE: May cause irritation.

SKIN CONTACT: May cause irritation and skin defatting.

INGESTION: Can cause depression of central nervous system, nausea.

INHALATION: Can cause headache, drowsiness and respiratory tract irritation.

SYSTEMIC AND OTHER EFFECTS: None reported. IARC has reported a relationship between drinking alcohol beverages and cancer of the oral cavity, pharynx, esophagus and liver.

SECTION #7 - FIRST AID

EYES: Irrigate immediately with water for at least 15 minutes. Get immediate medical attention.

SKIN: Wash off with water. Get immediate medical attention.

INGESTION: If conscious drink water or milk. Call a physician.

INHALATION: Remove to fresh air. Get immediate medical attention.

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SECTION #8 - HANDLING PRECAUTIONS

EXPOSURE GUIDELINE(S): None established.

VENTILATION: Good general ventilation should be adequate.

RESPIRATORY PROTECTION: If respiratory irritation is experienced use an approved air-purifying respirator with organic vapor cartridge.

SKIN PROTECTION: Use impervious gloves when prolonged or repeated contact could occur. Wash contaminated clothing before reuse.

EYE PROTECTION: Use safety glasses with side shields.

SECTION #9 - ADDITIONAL INFORMATION

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Preferred storage in an approved flammable liquids storage room or cabinet. At a minimum, store in a cool dry well ventilated place away from incompatible materials. Keep container tightly closed when not in use. Avoid repeated skin contact and eye exposure. Do not permit eating, drinking or smoking near material.

EPA-EPCRA - Section 313 (Listed Chemicals): NONE.

REFERENCES - MSDS's for:

SDA 23 A - 1989
Copal - undated

DISCLAIMER:

The information herein given was derived solely from the Main Hazardous Chemical Ingredients MSDS's on file at the time of this MSDS preparation. The information is given in good faith but no warranty, express or implied to the accuracy, completeness, or adequacy of the information contained in this MSDS is made. We assume no warranties of fitness or liability from the use of this product. Since the conditions for use, handling, storage and disposal of this product are beyond Cetylite control, users should make their own investigations to determine the suitability of the information for their particular purposes. Users assume liability for damage, or expense arising out of product's improper use. Various Federal, State or Provincial agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this MSDS. The user should review these regulations to ensure full compliance.