



Material Safety Data Sheet

PremierArt - Print Shield – 5 liter bulk container

**For CHEMICAL EMERGENCY 24/7 CALL
INFOTRAC 1 - 800 - 535 – 5053
Outside the US, call collect 1- 352 – 323 - 3500**

Section I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: PremierArt Print Shield
General Use: Spray varnish sealer for ink jet prints
Product Description: Bulk spray sealer
Manufactured For: Premier Imaging Products, LTD.
2245-I Renaissance Drive, Las Vegas, NV 89119
TELEPHONE No.: 1 - 805 - 983 - 1472

Section II - COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS (nl - not listed in CHIP)

Hazardous Ingredients	% Wt.	CAS No.	EEC No.	Symbol	Risk	EXPOSURE LIMITS			
						Long Term (8 Hours)		Short Term (15 mins)	
						ppm	mg/m ³	ppm	mg/m ³
Isopropyl Alcohol	>85	67-63-0	200-661-7	F	11, 36, 67	400	999	500	1250
n-Butyl Acetate	<5	123-86-4	204-658-1	F	10, 66, 67	150	742	200	966
n-Butanol	<3	71-36-6	200-751-6	F	10,22,37 38,41,67	nl	nl	50	154

The remaining ingredients not considered a health hazard under EC/CHIP2 regulations.

Section III - HAZARDOUS IDENTIFICATION

Classification (CHIP) : Highly flammable

Vapor harmful. The principal safety and health hazards when using the product are due to inhalation of isopropyl vapors. There is also a risk of ignition of the spray should it pass through or on an ignition source. Inhalation may occur while spraying the product or during the drying process. If the product is used with adequate ventilation, risk of excessive inhalation is eliminated.

Main Health Hazards: Not expected to present any hazards to health under normal conditions of anticipated use.

Section IV - FIRST AID MEASURES

EYES : Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

SKIN : Wash with soap and water. Get medical attention if irritation or rash develops. Remove and launder

contaminated clothing before reuse.

INGESTION: If fully conscious, drink plenty of water. Induce vomiting. Get medical attention.

INHALATION: Remove to fresh air. If not breathing, apply artificial respiration. Get immediate medical attention

ADVICE TO PHYSICIAN : Treat symptoms.

Section V - FIRE FIGHTING MEASURES

Flammability : Highly Flammable

Combustion products : Oxides of Carbon.

Extinguishing media : Use dry powder, especially near electrical equipment. Carbon dioxide or alcohol resistant foams or water spray may also be used. water spray may be used to keep containers cool near fire.

Do not use : Water Jet.

Section VI - ACCIDENTAL RELEASE MEASURE

Evacuate area. Provide adequate ventilation. Shut off all sources of ignition and wear protective clothing. Contain spill to a small area. Flush away from ignition sources with water. Pick up with absorbent material and transfer to suitable container for disposal. Keep out of sewers, streams and waterways. Flush contaminated area with plenty of water. Dispose of in accordance with Local Authority Regulations.

Section VII - HANDLING AND STORAGE

Handling : Usual precautionary measures when handling chemicals are to be taken. Avoid contact with skin and eyes and avoid inhaling vapor. Open and handle bottle with care. Take measures against static discharge.

Fire Prevention : Avoid heat and all sources of ignition.

Storage : To be stored in a flameproof cabinet away from all sources of ignition.

Section VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels. Use a fume hood if PEL/TLV may be exceeded.

RESPIRATORY PROTECTION: Respiratory protection is recommended when exposure limit is exceeded. Wear an approved organic respirator. Do not breathe the vapor.

PROTECTIVE GLOVES: Not normally required. Wear chemical resistant gloves, if skin contact may occur.

EYE PROTECTION: Avoid contact with the eyes: **Wear safety glasses or goggles.**

Section IX - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Clear low viscosity liquid with an alcohol odor.

BOILING POINT: 82.5°C (181°F) (Isopropanol)

FREEZING POINT: -89°C

FLASH POINT: 12°C (53°F) open cup (Product only)

AUTOIGNITION TEMP: 422°C

VAPOUR PRESSURE: 32mm Hg @ 20°C

pH: Not applicable

SOLUBILITY IN WATER: Slightly soluble in water

Density: 0.80 gm/cm³

VAPOUR DENSITY: 2.1 (Air = 1)

EVAPORATION RATE: <1 (Ether#1)

% VOLATILE (BY VOLUME): 90

FLAMMABLE LIMITS: Lower: 2.5% Upper: 11.5% (Isopropanol)

Section X - STABILITY AND REACTIVITY

STABLE: Yes

INCOMPATIBILITY: Strong Oxidizers, strong inorganic acids.

Materials / Conditions to avoid: Avoid all sources of heat and ignition.

HAZARDOUS DECOMPOSITION PRODUCTS: May include oxides of carbon, nitrogen and other toxic fumes.

HAZARDOUS POLYMERISATION: Will not occur.

Section XI - TOXICOLOGICAL INFORMATION

PRIMARY ROUTE OF EXPOSURE: Inhalation, skin and eye contact

ACUTE EFFECTS:

EYES: Eye contact may cause irritation. There is a risk of serious damage to the eyes.

INHALATION: Inhalation in excess of PEL/TLV may result in dizziness, drowsiness, headache and in extreme cases, loss of consciousness.

SKIN: Repeated or prolonged skin contact may cause skin irritation, dryness and cracking.

CHRONIC EFFECTS: None expected from available data.

CANCER INFORMATION: This product contains no ingredient that is listed on the **IARC**, **NTP**, or **OSHA** carcinogen lists.

ACUTE TOXICITY LD₅₀ : Acute / oral / rat: > 5000mg/kg

Section XII - ECOLOGICAL INFORMATION

Iso Propyl Alcohol: Readily biodegradable; No evidence of Bio-accumulation or tainting of seafood

EC₅₀/24h/Daphnia = > 1000mg/l LC₅₀/96h/Fathead minnow = 9600mg/l

n-Butyl Acetate: LC₅₀/24h/Daphnia = 205mg/l LC₅₀/48h/Leucisus idus = 71mg/l

n-Butanol: LC₅₀/48h/Daphnia = 1983mg/l LC₅₀/96h/Leucisus idus = 1200 - 1700mg/l LC₅₀/96h/algae = > 500mg/l

Section XIII - DISPOSAL CONSIDERATIONS

Do not incinerate. Bury in licensed facility. Follow Federal, State, and local regulations.

Section XIV - TRANSPORT REGULATIONS

Proper shipping name : Paint	Packing group : II
UN Number : UN1263	IMDG class : 3.2
IMDG code : Page 3268	RID/ADR : ADR Classification Code : F1
ICAO/IATA class : 3	Hazard warning sign : Highly flammable

Section XV - REGULATORY INFORMATION

<u>Symbol</u> : Flame	<u>CHIP labeling - Contains</u> : Isopropanol
<u>Hazard</u> : Highly Flammable	<u>Other suggested labeling</u> : Risk Phrases : R11, 36, 67 Safety phrases : S16, 23, 25

This information is based solely on the data provided by the suppliers of the materials used and/or recognized technical sources, not on the mixture itself and is believed to be correct as of this date.

No warranty is expressed or implied regarding the accuracy of the data.