

**i.p.p.i.**

image printing products international

a division of A. Kurz Inks (Canada) Limited

2284 Speers Road, Oakville, Ontario L6L 2X8

tel: 905/825-5600 fax: 905/825-8833

info@ippi.ca www.ippi.ca

Section 1: PRODUCT INFORMATION

Product Name: Solvent Blend for PVC Series Inks

Supplier's Name: Image Group
2284 Speers Road,
Oakville, Ontario L6L 2X8

Information Telephone: 905-825-5600

Prepared by: Tony Kurz

Date: July 31, 2013

WHMIS Classification - Class B Division 2 Flammable Liquid
Class D Division 2 Subdivision B Toxic**TRANSPORTATION DANGEROUS GOODS CLASSIFICATION**

Shipping Name: Printing Ink Related Material

Class: 3

UN Number: UN 1210

Packing Group: II

Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
141-78-6	7-13	ETHYL ACETATE	400 PPM	5620 MG/KG RAT ORAL 4100 MG/KG MOUSE ORAL 4935 MG/KG RABBIT ORAL >20 ML/KG RABBIT DERMAL	200,000 MG/M3 RAT INHALATION 45,000 MG/M3/2H MOUSE INHALATION 1600 PPM/8H RAT INHALATION >6000 PPM/6H RAT INHALATION
64-17-5	60-100	ETHYL ALCOHOL	1000 PPM	7060 MG/KG RAT ORAL 3450 MG/KG MOUSE ORAL 6300 MG/KG RABBIT ORAL	20,000 PPM/10H RAT INHALATION 39,000 MG/M3/4H MOUSE INHALATION

Section 3: PHYSICAL DATA

Physical state: Liquid.

Appearance & odor: Not available.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): Not available.

Vapour density (air=1): Not available.

Volatiles (%)

By volume: Not available.

**Evaporation rate
(butyl acetate = 1):** Not available.

Boiling point (°C): Not available.

Freezing point (°C): Not available.

pH: Not available.

Specific gravity @ 20 °C: 0.803

Solubility in water (%): Not available.

Coefficient of water/oil dist.: Not available.

VOC: Not available.

Section 4: FIRE & EXPLOSION DATA

Flammability: Flammable.

Conditions of flammability: Heat, sparks and open flames.

Extinguishing media: Dry chemical.
Foam
Water fog.
Do not use direct water jet.
Cool fire exposed containers with water spray.
Solid streams of water are likely to spread fire.

Special procedures: Firefighters should wear adequate protective gear.
Self-contained breathing apparatus required.

Auto-ignition temperature (°C): Not available.

Flash point (°C), method: Not available.

**Lower flammability
limit (% vol):** Not available.

**Upper flammability
limit (% vol):** Not available.

Explosion Data

Sensitivity to static discharge: Not available.

Sensitivity to mechanical impact: Not available.

Hazardous combustion products: Carbon monoxide (CO).
Carbon dioxide (CO₂).

Explosive power:Not available.

Section 5: REACTIVITY DATA

Chemical stability:	Stable under normal conditions.
Conditions of instability:	Not available.
Hazardous polymerization:	Will not occur.
Incompatible substances:	Strong oxidizing agents.
Hazardous decomposition products:	See hazardous combustion products.

Section 6: TOXICOLOGICAL PROPERTIES

Route of entry: Eye contact, skin contact, skin absorption, inhalation and ingestion.

Effects of acute exposure

Eye contact: May damage eye tissue.
May cause burning sensation.
May cause irritation.

Skin contact: May cause irritation.

Skin absorption: May be absorbed through the skin.

Inhalation: Irritant.
May cause drowsiness.
May cause headache and dizziness.
May cause intoxication.
May cause anaesthesia effects.

Ingestion: May cause dizziness.
May cause headache and drowsiness.
May cause signs of intoxication.
Aspiration into the lungs may cause lung damage.
May cause anaesthesia effects.

Effects of chronic exposure: May cause liver damage.
May cause blindness.
Prolonged or repeated overexposure may cause drying and cracking of the skin (dermatitis).

LD50 of product, species & route: Not available for mixture, see the ingredients section.

LC50 of product, species & route: Not available for mixture, see the ingredients section.

Exposure limit of material: Not available for mixture, see the ingredients section.

Sensitization to product: Not available.

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type:	Impervious gloves.
Respiratory/Type:	None required under normal use. If ventilation is inadequate. NIOSH approved chemical cartridge respirator with organic vapour cartridges.
Eye/Type:	Splash proof chemical goggles.
Footwear/Type:	Impervious boots. When splashing is possible.
Clothing/Type:	When splashing is possible. Apron
Other/Type:	Eye wash facility should be in close proximity.
Ventilation requirements:	As needed to stay below TLV.
Leak/Spill:	Eliminate all sources of ignition. Dike area to prevent spreading. Ventilate area. Wear appropriate protective equipment. Ground handling equipment. Use non-sparking tools. Explosion proof motors are recommended. Pump to containers or soak up on inert absorbent. Place in a closed container for disposal. Cover with a fire-extinguishing foam. Do not flush to sewer. Blanket spill with foam to protect against accidental ignition.
Waste disposal:	In accordance with municipal, provincial and federal regulations.
Handling procedures and equipment:	Keep away from heat, sparks, and open flame. Avoid breathing vapors/mists. Use adequate ventilation. Wash thoroughly after using, particularly before eating or smoking. Use proper grounding procedures. Avoid contact with skin, eyes and clothing. Do not cut, grind, weld or drill on or near containers. Launder contaminated clothing prior to reuse.
Storage requirements:	Store away from all sources of ignition. Store away from incompatible materials. Store in a cool, dry and well ventilated area.

Section 8: FIRST AID MEASURES

Skin contact: Remove contaminated clothing.
Wash with mild soap and water.
Consult a physician if irritation persists.

Eye contact: Flush eyes with clear, running water for 15 minutes while holding eyelids open. If irritation persists, consult a physician.

Inhalation: Remove victim to fresh air. If not breathing, qualified personnel should administer artificial respiration. Get medical attention.

Ingestion: Obtain immediate medical attention.
Give large quantities of water to drink.
Do not induce vomiting, keep person warm, quiet.
Guard against aspiration of liquids into lungs.
If vomiting occurs, keep head below hips.
Never give anything by mouth to an unconscious person.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 9: ADDITIONAL INFORMATION

General note: This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.