SAFETY DATA SHEET

Section I. IDENTIFICATION

Product Name:	**Thinner for UV Ink - 700299**
Chemical Name:	n-Butyl acetate
Chemical Family:	Acetate solvent
CAS Registry No:	123-86-4
Identified uses:	Solvent
Uses advised against:	None known
NFPA/HMIS Classification:	Health - 1; Fire - 3; Reactivity - 0

Manufacturer / Distributor : ITW Trans Tech
475 North Gary Avenue
Carol Stream, IL 60188
US: +1 630 752 4000

Emergency telephone number : +1 (352) 323-3500

2. HAZARDS IDENTIFICATION

Hazard Classification

PHYSICAL HAZARDS

Flammable liquids:	Category 3

Health Hazards:

Specific target organ toxicity (single exposure)	Category 1
OSHA Specified Hazards:	NOT APPLICABLE

Label Elements

Signal Word WARNING

Hazard Statements

Flammable liquid and vapor
May cause drowsiness or dizziness.

Precautionary Statements:

Keep away from heat/sparks/open flames/ hot surfaces. No smoking
Keep container tightly closed
Do not breathe fume/gas/mist/vapors/spray
Avoid fires, static discharge, use non sparking tools,
Use in well ventilated areas.

Response

In case of fire: Use water spray, carbon dioxide, dry chemicals or foam for extinction.
If on skin, remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a POISON CENTER or doctor/physician if you feel unwell.

Storage:

Store in a well ventilated place.
Keep container tightly closed.
Keep cool.
Store locked up.

Disposal:

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Hazard(s) not otherwise classified HNOC: none known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name

n-Butyl Acetate **100%** CAS # 123-86-4

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact

Immediate flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if symptoms persist.

Skin Contact

Wash off immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation (redness, rash, blistering) develops, get medical attention**.**

Inhalation

Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administrate artificial respiration. Get medical attention

immediately.

Ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Most important symptoms and effects, both acute and delayed:

None under normal conditions of use.

Indication of any immediate medical attention and special treatment needed:

Notes to Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Carbon dioxide or dry chemical.

Basic Fire Fighting Procedures

Water may be ineffective. Water should be used to cool containers exposed to fire. Firefighting personnel should wear self-contained breathing apparatus and protective clothing.

Unusual Fire & Explosion Hazards

With excessive heat, hazardous polymerization may occur. Keep container tightly closed, isolate from heat, sparks, electrical equipment and open flames. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Unsuitable Extinguishing Media

No information available

Specific Hazards Arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapors. May emit toxic fumes under fire conditions.

Protective Equipment and Precautions for Firefighters.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers/tanks with water spray. Sealed containers may rupture when heated.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions:

Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin and clothing. Avoid breathing dust or vapor. Evacuate personnel to safe areas. Keep people away from the upwind or spill/leak.

Environmental precautions

Prevent product from entering drains. Prevent further leakage and spillage if safe to do so. Keep out of drains, sewers, ditches and waterways. Local authorities should advised if significant spillage cannot be contained.

Spill or Leak Procedure

Contain spillage, and then collect with non-combustible absorbent material, like sand, earth, diatomaceous earth, vermiculite and place in a container for disposal according to local/national regulations (see section 13). Use clean non sparking tools to collect

absorbed materials. Appropriate protective clothing, including rubber gloves, chemical splash goggles and respirators (if ventilation is poor) should be worn.

7. HANDLING & STORAGE

Precautions for safe handling

Handling

Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. Wear gloves and eye protection.

Conditions for safe storage including any incompatibilities

Storage

Store in closed containers closed in a dry cool and well ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep containers closed when not in use. Keep out of the reach of children. Avoid sources of ignition, sunlight and other ultraviolet light sources. Store between 50 and 80^{o}F (10 and 27^{o}C).

Ventilation

TLV: Not established. Use of local exhaust ducts, fume hoods and/or other mechanical exhaust ventilation is recommended. Respiratory equipment is not required, unless ventilation provisions are inadequate. If needed, NIOSH/MSHA approved respirators with organic vapor cartridges are recommended.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameter

SOLVENT	METHOD	EXPOSURE	SOURCE
n-Butyl Acetate	TWA	150 PPM	US. ACGIH THRESHOLD LIMIT VALUES

Exposure limits

Eye Protection: Personal Protection Equipment (PPE)

Wear chemical splash goggles. Do not wear contact lenses while handling this material.

Skin Protection: Personal Protection Equipment (PPE)

Wear chemical resistant gloves appropriate for handling medium polarity solvents (clean-up solvents). Do not use vinyl gloves. Inspect gloves frequently for cuts or holes and discard damaged gloves. Wash hands with soap and water after handling this product. Do not clean skin with solvents; solvents might increase skin penetration by this product, as well as being potentially toxic themselves.

Respiratory Protection: Personal Protection Equipment (PPE)]

Use of local exhaust ducts, fume hoods and/or other mechanical exhaust ventilation is recommended. Respiratory equipment is not required unless ventilation provisions are inadequate. NIOSH/MSHA approved respirators with organic vapor cartridges are recommended.

General

Face shields, polyethylene aprons and Tyvek outer garments afford general body/clothing protection.

9. PHYSICAL & CHEMICAL PROPERTIES

Odor and Appearance

Boiling Point	125 C
Flash Point	Point 27C (Tag closed cup)
Specific Gravity	0.877 (25 deg. C)
Melting Point	-74C
Percent Volatile	100%
Vapor Pressure	ND
Evaporation Rate	1
Vapor Density	<1 (at 20^{o}C)
Solubility in Water	very slightly soluble in water

10. STABILITY & REACTIVITY

Stability/Incompatibility

Stable.

Conditions to avoid:

Excessive heat

Hazardous Reactions/Decomposition Products:

Carbon monoxide, carbon dioxide

11. TOXICOLOGICAL INFORMATION

Routes of Exposure

Inhalation of vapors, direct contact with skin or eyes.

12. ECOLOGICAL INFORMATION

No additional information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Incinerate in an approved facility; do not incinerate closed containers. Dispose of in accordance with federal, state, and local pollution control requirements. RCRA Hazardous Waste Number: D001, due to ignitability.

14. TRANSPORT INFORMATION

Department of Transportation (DOT) Requirements:

General Transportation Information

Proper Shipping Name	Printing Ink Related Material (Air Transportation)
UN/NA Code	contains: UN 1210
UN Hazard Class	Flammable liquid (Air Transportation)
Packaging Group	III
Labels required	Flammable liquid (Air Transportation)

Note: In non-bulk shipments via ground transportation, this combustible liquid material may ship unrestricted. Air shipments are limited to 10L/box if box is not UN spec.

15. REGULATORY INFORMATION

HMIS Ratings

Health 1 Flammability 3 Reactivity 0

Federal Regulations

TSCA Status: All ingredients are listed. Section 112- CERCLA:

SARA 311 – 312 Hazard Classifications: immediate (acute) health hazard, fire hazard

16. OTHER INFORMATION

Disclaimer

This information is furnished without warranty, either expressed or implied, except that it is accurate to the best knowledge of UVEXS Inc. The data on this sheet applies only to the specific material designated herein. UVEXS Inc. assumes no legal responsibility for use of or reliance upon this data.

Key:

ND: No Data NA: Not Available NI: Not Indicated

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