SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING

Product Name : UV 550 Series Curable White Ink
Product IDN : SB.UV.550.5000
Material Uses : Ink for use in an ink jet process.
Manufacturer : STS Inks LLC., 8300 Congress Ave., Boca Raton, FL 33487, USA
Phone: 561-999-8818
Fax: 561-999-8828
Emergency: 561-419-7111
www.stsinks.com
Date Issued : June 9th, 2026

2. HAZARD IDENTIFICATION

2.1 Classifications

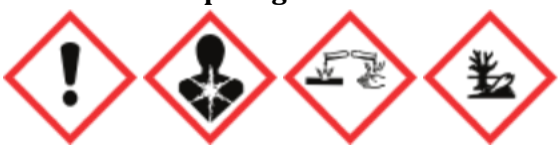
Classification according to GHS 29CFR 1910.1200

Aq. Chronic Cat. 1: H410: Very toxic to aquatic life with long lasting effects
Skin Irrit. 2 H315: Cause skin irritation
Skin Sens. Cat.1A: H317: May cause an allergic skin reaction
Eye Irrit. 2A H319: Causes Serious eye irritation
STOT SE 3 H335: May cause respiratory irritation
Repr 2. H361: Suspected of damaging fertility or the unborn child
STOT Rep. Exp. 1 H372: Causes damage to organs through prolonged or repeated exposure

2.2 Label Elements:

Labeling according to GHS

Hazard pictograms



Signal Word: Danger

Hazard Statements:

H315: Causes skin irritation.
H317: May cause an allergic skin reaction
H319: Causes Serious eye irritation
H335: May cause respiratory irritation.
H361: Suspected of damaging fertility or the unborn child.
H372: Causes damage to organs through prolonged or repeated exposure
H410: Very toxic to aquatic life with long lasting effects

Precautionary Statements:
PREVENTION:
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

RESPONSE:
P301+P312+P330: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P317: If skin irritation or rash occurs: Get emergency medical help.
P362+P364: Take off contaminated clothing and wash it before reuse.

STORAGE:
P403 +P233 Store in a well-ventilated place. Keep container tightly closed.

DISPOSAL:
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other Hazards
Results of PBT and vPvB assessment:
PBT: Not applicable.
vPvB: Not applicable.

3 COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Characterization: Mixture
Inkjet printing ink in organic solvents.

Ingredients	CAS No	EC Number	Reach Registration Number	Percent (%)
Colorant	Trade Secret	-	-	15-25%
Isobornyl Acrylate	5888-33-5	277-561-6	Pre-Registered	15-20%
N-Vinylcaprolactam	2235-00-9	218-787-6	Registered	10-20%
2,4,6-trimethylbenzoyl – diphenyl phosphine oxide	75980-60-8	278-355-8	Registered	1-5%
Bis(2,4,6-trimethylbenzoyl) phenylphosphine oxide	162881-26-7	423-340-5	Registered	1-5%
Tetrahydrofurfuryl acrylate	2399-48-6	219-268-7	Registered	30-40%
Urethane Acrylate	Proprietary	Proprietary	Pending	1-5%
Urethane Acrylate	Proprietary	Proprietary	Pending	1-5%
Stabilizer	Proprietary	Proprietary	Registered	<1%
Acrylated Oligoamine	Proprietary	Proprietary	Registered	1-5%
Polyester Acrylate	Proprietary	Proprietary	Pending	5-10%

4 FIRST AID MEASURES

4.1 Description

Inhalation : If inhaled move to fresh air. Respiratory irritation may occur, if symptoms develop seek medical attention. If not breathing, give artificial respiration preferably mouth to mouth.

Ingestion : Give two glasses of water and monitor closely. Call a poison control center, emergency room, or physician before trying to induce vomiting.
Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

Skin Contact : In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms appear.

Eye Contact : Do not rub eyes. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Potential Health Effects

Eye Contact: Causes severe eye injury which may persist for several days.

Inhalation: Exposure to vapors (mist) may be harmful to the unborn child and at the risk of impaired fertility and irritate nose, throat/respiratory system.

Skin Contact: Contact with skin may cause irritation, swelling or redness, allergy and/or sensitization.

Ingestion: May cause injury of mouth, throat, and stomach.

Over Exposure Signs/Symptoms

Eye Contact: No specific data.

Inhalation: No specific data.

Skin Contact: No specific data.

Ingestion: No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 FIRE-FIGHTING MEASURES

5.2 Extinguishing Media

Suitable Extinguishing Media: Alcohol-resistant foam, dry chemical, carbon dioxide (CO_2), water spray.

5.3 Special Hazards arising from the substance or mixture

Carbon Oxides

5.4 Advice for Fire-Fighters

Use breathing apparatus with independent air supply.

Protective suit.

5.5 Further Information

Use water spray to cool unopened containers.

5.6 NFPA Ratings

Health:2 Flammability: 2 Reactivity: 1

Hazard Scale: 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

6 ACCIDENTAL RELEASE MEASURES

6.2 Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

6.3 Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.4 Methods and materials for containment and cleaning up

Contain spillage and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

6.5 Reference to other sections

For disposal see section 13.

7 HANDLING AND STORAGE

7.1 Handling	: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition- No smoking. Take measures to prevent the buildup of electrostatic charge.
7.2 Conditions for safe storage	:Store in cool place and away from light. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
7.3 Specific end uses	: no data available

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	: Components with workplace control parameter

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment

[Respiratory Protection]: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such NIOSH (US) or CEN (EU).

[Body Protection] : Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

[Skin Protection] : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

[Eye/face Protection] : Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

9 PHYSICAL AND CHEMICAL PROPERTIES

Color	: White
Odor	: Slight odor
Boiling Point/boiling range of ink	: No data available
Melting Point/melting range	: No data available
Flash Point of ink	: No data available
Auto-Ignition Temperature	: No data available
Flammability (solid, gas)	: Not Applicable
Specific Gravity	: No data available
Vapor Density	: Not Applicable
Vapor Pressure	: No data available
Explosive Properties	: No data available. : No data available
Solubility	: Easily soluble
Water Solubility	: No data available.
Viscosity	: Not applicable
pH	: No data available.
VOCs	: No data available
Oxidizing Properties	: No data available

The physical and chemical data given in Section 9 are typical values for this product and are not intended to be product specifications.

10 STABILITY AND REACTIVITY

10.1 Reactivity	: High temperatures and UV light cause rapid polymerization
10.2 Chemical Stability	: Unstable. Polymerizes under heat and light
10.3 Possibility of hazardous reactions	: No data available
10.4 Conditions to avoid	: Heat, flames, sparks, direct exposure to light
10.5 Incompatible materials	: Strong oxidizing agents, strong bases, water
10.6 Hazardous decomposition products	: Other decomposition products – no data available

11 TOXICOLOGICAL INFORMATION

11.2 Routes of Overexposure	: Eye, skin, inhalation, and oral ingestion

11.3 Health Hazards: **Acute Health Hazards**	: Overexposure of the eye surface to ink may be mildly irritating. Overexposure of ink contact with the skin may cause irritation and, in some people, swelling and redness. Intentional inhalation to ink vapors may result in respiratory tract irritation. Intentional or accidental oral ingestion may cause an upset stomach.
Chronic Health Hazards **Mutagenicity** **Carcinogenicity**	: No information available : No information available : No information available
11.4 Toxicity: **Acute Toxicity Data**	: No information
Inhalation	: No information
Irritating	: No information
Sensitization	: Not available
Reproductive Toxicity	: Not available.

12 ECOLOGICAL INFORMATION

12.1 Toxicity : Aquatic toxicity: No further information available
12.2 Persistence and Degradability : No further relevant information available
12.3 Bioaccumulation Potential : No further relevant information available
12.4 Mobility in Soil : No further relevant information available
12.5 Results of PBT : PBT: Not applicable
and vPvB Assessment : vPvB: Not applicable
12.6 Other Adverse Effects : No further relevant information available

13 DISPOSAL CONSIDERATIONS

13.1 Waste Disposal : **Product**
Waste must be disposed of according to the applicable state, federal, and local regulations.
: **Contaminated Packaging**
Dispose of as unused product

14 TRANSPORTATION INFORMATION

United States DOT Domestic Surface, USA, ICAO/IATA AIR, IMO/IMDG OCEAN, ADR, or RID

14.1 UN Number : UN3082

14.2 UN Proper Shipping Name	**:** Environmentally Hazardous Substance, Liquid, N.O.S. [Acrylic Monomers].
14.3 Transport Hazard Class(es)	**:** ADR, IMDG, IATA – Class 9
14.4 Packaging Group	**:** III
14.5 Environmental Hazards	**:** Yes
14.6 Special Precautions for User	**:** Transport and storage of the product in accordance with general precautions and instructions mentioned in this SDS
14.7 Other Information	**:** Inner packaging less than 5L or 5Kg is exempted from Dangerous Goods. Special Provision A197
14.8 DOT	**:** Not regulated as Dangerous Goods when transported by road in the United States.

15 REGULATORY INFORMATION

U.S Federal Regulations	**:** Not available.
OSHA	**:** This product is classified as an OSHA hazardous material.
CERCLA: SARA Hazard Category	**:** Acute Hazard
Section 313	: *Indicates toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372.
International Regulations	**:** Not available.
Canadian WHMIS	**:** Not available**.**
Canadian Environmental Protection Act	**:** Not available**.**
EINECS	**:** Not available**.**
State Regulations	**:** Not available.
State of California Proposition 65	**:** This product does not contain any chemicals known to the state of California to cause cancer, birth, or any other reproductive defects

16 OTHER INFORMATION

The information in this Safety Data Sheet (SDS) is believed to be correct to the best of our knowledge, information and belief at the date of its publication. The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained. STS inks does not warrant the completeness or accuracy of the information contained herein.

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