



MATERIAL SAFETY DATA SHEET

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

Product Name : Mimaki SS21 Compatible Black Ink

Material Uses : Ink for use in an ink jet process.

Manufacturer : STS Inks LLC., 8300 Congress Ave., Boca Raton, FL 33487
Phone 561-999-9918
Fax 561-999-8828
www.stsrefill.com

2. HAZARD IDENTIFICATION

Emergency Overview: Contact with skin and eyes may result in irritation. Read MSDS before using.

2.1 Classification according to Regulation(EC) No 1272/2008



Acute Tox.4: H302 Harmful If swallowed.

Acute Tox.4:H312 Harmful in contact with skin.

Eye Irrit.2: H318 Causes serious eye irritation.

Acute Tox.4: H332 Harmful if inhaled.

STOT SE 3: H 336 May cause drowsiness or dizziness.

2.2 Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Harmful Xn: R20/21/22 R41, R67.

R Phrases 20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R Phrases 41: Risk of series damage to eyes.

R Phrases 67: Vapors may cause drowsiness or dizziness.

Information concerning particular hazards for human and environment: Not applicable.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

CAS Number	Percent (%)	Chemical Name
1) N/A	1-50	Glycol Ether
2) 96-48-0	1-30	Gamma Butyrolactone
3) 1333-86-4	1-5	Carbon Black Pigment
4) N/A	1-20	Proprietary Organic Material

This is a solvent ink formulation.

4. FIRST AID MEASURES

Inhalation	: If inhaled move to fresh air. Inhalation of vapor is not expected to be significant routes of exposure for this product under normal use conditions.
Ingestion	Respiratory irritation may occur, if persists seek medical attention. : Do not induce vomiting unless directed to do so by medical personnel. 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 clothes and shoes. Wash clothing before reuse.
Eye Contact	Get medical attention if symptoms appear. : 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.

5. FIRE-FIGHTING MEASURES

Flammable Properties	: None known.
Extinguishing Media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Special Fire-fighting Procedures	: Not available
Hazardous Thermal Decomposition Products	: Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	: Use all necessary personal protective equipment.
Environmental Precautions	: Do not let product enter drains. Do not flush into surface water or sanitary sewer systems.
Methods for Cleaning Up	: Move containers from the spill area. Prevent from entering sewers, water courses, basements, or confined areas. Contain and collect spillage with inert absorbent material (e.g. sand, earth,

vermiculite, or diatomaceous earth) and place in container for disposal according to local regulations. Contaminated absorbent material may pose the same hazard as the spilled product.

7. HANDLING AND STORAGE

- Handling** : Avoid contact with skin, eyes and clothing. Obtain and review special instructions before use.
- Storage** : Keep out of the reach of children. Keep away from excessive heat or cold.
- Packaging Materials** : Use original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Exposure Limits** : Ethylene Glycol Monobutyl Ether Acetate 20 ppm(ACGIH:TWA)
- Engineering Controls** : Use in an adequately ventilated area.
- Skin and Body** : Use personal protective equipment to minimize exposure to skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid
Color	: Black
Odor	: Slight Odor
Boiling Point	: Approximately 176°C
Melting Point	: Not Determined
Freezing Point	: No Data Available
Specific Gravity	: 1.013±0.01 @25°C (Water = 1)
Vapor Density	: No Data Available (Air = 1)
Vapor Pressure	: Not Determined
Evaporation Rate (Butyl Acetate = 1)	: No Data Available
Relative Density	: No Data Available
Solubility (Water)	: Easily Soluble(Diethylene Glycol Diethyl Ether)
pH	: Not Applicable
Flash Point	: Approximately 72°C
Auto-Ignition Temperature	: Not Below 220°C
Flammable Limits	: Not Determined
Volatility (w/w)	: No Data Available
VOC Volatility (w/w)	: No Data Available

10. STABILITY AND REACTIVITY

Stability	: This product is stable under recommended conditions of storage and use.
Conditions to Avoid	: Heat, flames and sparks.
Hazardous Decomposition Products	: No data available.
Incompatible Materials	: Strong oxidizing agents, strong bases.

11. TOXICOLOGICAL INFORMATION

Routes of Exposure	: Eye and skin contact, inhalation and oral ingestion.
Acute Health Hazards	: Overexposure of the eye surface to ink may be mildly irritating, overexposure of ink contact with skin may cause irritation and for some individuals swelling and redness. Intentional inhalation to ink vapors may cause respiratory tract irritation. Oral Ingestion may cause upset stomach.
Further Information	: Please refer to Section 3 for potential health effects and Section 4 for first aid measures. This ink formulation has not been tested for toxicological effects.

12. ECOLOGICAL INFORMATION

Eco toxicity	: No data available
Heavy Metals	: No data available
Persistence and Degradability	: No data available

13. DISPOSAL CONSIDERATIONS

Waste Disposal	: Waste must be disposed of according to the applicable state, federal, and local regulations.
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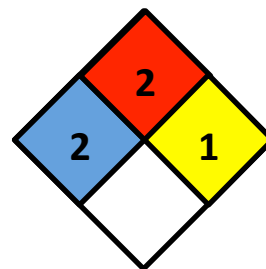
14. TRANSPORTATION INFORMATION

Not regulated under United States DOT Domestic Surface, USA, ICAO/IATA AIR, IMO/IMDG OCEAN, ADR, or RID	
Special precautions	: Not listed
UN Number	: Not applicable
Class	: Not applicable
Proper shipping name	: Not applicable
Packing group	: Not applicable
Marine pollutant	: None noted

15. REGULATORY INFORMATION

National Fire Protection Association (United States) : Health: 2
Flammability: 1
Instability: 0

US EPA TSCA Inventory
US EPA TSCA 12(b)



: All ingredients are listed or exempt from listing.
: Does not contain listed chemicals.

16. OTHER INFORMATION

Date of Issue : January 2014

Version : 1.01

Notice to the Reader:

The data in this Material 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. This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained. 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.