



SAFETY DATA SHEET

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

Product Name : HP 790 Replacement Black Ink

Product # : SB.LS.HP.1000

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

Manufacturer : STS Inks LLC., 8300 Congress Ave., Boca Raton, FL 33487
Phone: 561-999-8818
Fax: 561-999-8828
Emergency: 561-419-7111
www.stsrefill.com

2. HAZARD IDENTIFICATION

2.1 Classifications

Classification according to GHS

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

Acute Tox.4: H332 Harmful if inhaled.

Skin Irrit.2: H315 Causes skin irritation.

Repr.1B: H360Df May damage the unborn child. Suspected of damaging fertility.

2.2 Label Elements:

Labeling according to GHS

Hazard pictograms



Signal Word: Danger

Hazard Statements:

H312:Harmful in contact with skin.

H315: Causes skin irritation.

H322: Harmful if inhaled.

H360Df: May damage the unborn child. Suspected of damaging fertility.

Precautionary Statements:

PREVENTION:

P270: Do not eat, drink or smoke when using this product.

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

RESPONSE:

P301+P312+P330: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Rinse mouth.

P332+P313+P333: If SKIN IRRITATION OCCURS: Get medical advice/attention.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

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

P363: Wash contaminated clothing before reuse.

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	EINECS	EU PreRegistration Number	Percent(%)	Classification GHS(Rev 5)
Ethylene Glycol Monobutyl Ether Acetate	112-07-02	203-933-3	N/A at the moment	1-80	Acute Tox4: H312 Acute Tox.4 : H332
Gamma Butyrolactone	96-48-0	202-509-5	N/A at the moment	10-40	Skin Irrit.2 H315
Carbon Black 7	1333-86-4	215-609-9	N/A at the moment	1-10	-

4 FIRST AID MEASURES

4.1 Description

- Inhalation** : If inhaled move to fresh air. IRespiratory 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 nduce 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 clothes 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 Accute and Delayed Potential Acute Health Effects

Eye Contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin Contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

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(CO₂), 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: 0

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 build up of electrostatic charge.
- 7.2 Conditions for safe storage** : Store in cool place. 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

<u>Components</u>	<u>ACGIH:TWA</u>
Ethylene Glycol Monobutyl Ether Acetate	20 ppm

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 as 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	: Black
Odor	: Slight odor
Boiling Point/boiling range of ink	: No data available.
Melting Point/melting range	: No data available
Flash Point of ink	: approx. 67°C
Auto-Ignition Temperature	: No data available
Flammability (solid, gas)	: Not Applicable
Specific Gravity	: 0.97± 0.05 (25°C)
Vapor Density	: Not Applicable
Vapor Pressure	: No data available
Explosive Properties	: Lower limits: 0.88 vol% Upper limits: 8.54 vol% (Ethylene Glycol Monobutyl Ether Acetate)
Solubility	: No data available
Water Solubility	: No data available.
Viscosity	: No data available.
pH	: Not applicable
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 : No data available

10.2 Chemical Stability : No data available

10.3 Possibility of hazardous reactions : No data available

10.4 Conditions to avoid : Heat, flames and sparks

10.5 Incompatible materials : Strong oxidizing agents, strong bases

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	: No information available
Mutagenicity	: No information available
Carcinogenicity	: No information available
11.4 Toxicity: Acute Toxicity Data	: [Ethylene glycol monobutyl ether acetate] LD50 Oral, rat: 2,400 mg/kg LD50 Oral, mouse: 3200 mg/kg LD50 Skin, rabbit: 1,500 mg/kg Draize test, eye rabbit: 500 mg/24H Mild
	: [Ethylene glycol monobutyl ether acetate] Eye irritating: 500 mg/24H Mild (Rabbit OECD405) Skin irritating: 500 mg/24H Mild (open @ rabbit OECD404)
	: The information shown in SECTION 3, Hazards identification, is based on toxicity profiles of similar materials or on the components present in this material.

12 ECOLOGICAL INFORMATION

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

12.6 Other Adverse Effects : No further relevant information available

13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

:Product

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

: Contaminated Packaging

Dispose of as unused product

14 TRANSPORTATION INFORMATION

14.1 UN Number :NA1993

14.2 UN Proper Shipping Name : Combustible liquid n.o.s (2-methoxy-1-methylethyl acetate)-
Not regulated in quantities less than 119 gallons.

:ADR/RID: Not dangerous goods

:IMDG: Not dangerous goods

:IATA: Not dangerous goods

14.3 Transport Hazard Class(es) :Combustible

14.4 Packaging Group : ADR/RID: -
:IMDG: -
:IATA: -

14.5 Environmental Hazards :ADR/RID: No
:IMDG Marine Pollutant: No
:IATA: No

14.6 Special Precautions for User

Transport and storage of the product in accordance with general precautions and instructions mentioned in this SDS

15 REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

:EU Regulation (EC) No. 1272/2008 (CLP Regulations)
: REACH Status: In compliance.
: Pre-registration Status: All components are listed or exempted.
: Annex XIV – List of substances subject to authorization
 Substances of very high concern
 None of the components are listed.
: Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles
 Not applicable

15.2 Chemical Safety Assessment

: No data available

15.3 Other Information

:US Regulation
: TSCA Section 4(a) Final Test Rules Regulated:
 Not regulated
: TSCA Section 5 Significant New Use Rule Regulation Proposed: Not regulated
: TSCA Section 8(a) Preliminary Assessment Information RULE (PAIR):
 Not Regulated
: TSCA Section 8(a) Inventory Update Rule:
 All components on TSCA INVENTORY
: TSCA Section 8(d) Health and Safety Study Reporting:
 Not regulated
:California Proposition 65: Not regulated

Superfund Amendments and Reauthorization Act of 1986(SARA)
Hazard Categories: Immediate Hazard: Yes
 Delayed Hazard: Yes
 Fire Hazard: Yes
 Pressure Hazard: No
 Reactivity Hazard: No

SARA 302: No
SARA 311/312: No

State Regulations:

US-New Jersey RTK: Cas:112-07-2 Ethylene Glycol Monobutyl Ether Acetate Listed
US-Massachussets RTK: Not regulated.
US-Pennsylvania RTK: Not regulated
US-Rhode Island RTK: Not regulated

16 OTHER INFORMATION

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.