

# ARICI GROUP

## Material Safety Data Sheets (MSDS)

### 1. Product & Company Identification

Product Name: Eco Solvent Based Ink – Black

Product Code: ES-Black

Application: for use in high resolution inkjet printers

Manufacturer: ARICI GROUP DRUCKERPATRONENTANKSTELLEN

Address: KÜFERSTR.15, 73257 KÖNGEN

Tel: +49 7024 4095313

### 2. Hazards Identificaiton

Emergency Overview: Combustible liquid. Acute toxic substance.

Stagnant vapor may cause fire.

May cause organic solvent poisoning.

Do not inhale. Inhalation may cause any of the following symptoms:  
dizziness, headache, the stimulation of eyes, skin and respiratory tract.

#### Potential Health Effects

Inhalation :Harmful by inhalation. Irritating to respiratory system.

Eye contact :Irritating to eyes.

Skin contact :Harmful in contact with skin. Irritating to skin.

Ingestion : May cause lung damage if swallowed.

Carcinogens :No ingredients are listed by OSHA,IARC,or NTP as known or suspected carcinogens.

#### Environmental

Effects :Toxic to aquatic organisms, may cause long-term adverse effects in environment.

Medical conditions :No medical conditions are known to be aggravated by exposure to the materials.

### 3. Ingredients & Composition

Chemical Name	CAS No	Percentage
Ethylene Glycol Monobutyl Ether Acetate	112-07-2	80-90%
Pigment Black 7	1333-86-4	4-5%
Vinyl Copolymer	9003-22-9	3-5%
Dispersant	n/a	5%

#### 4. First Aid Methods

Inhalation	:If inhaled, immediately remove to fresh air and keep warm and calm. If Breathing irregularly or not breathing, give artificial respiration. Keep From swallowing vomit. Consult a doctor immediately.
Eye contact	:Flush eyes with plenty of water for at least 15 minutes. Consult a doctor immediately.
Skin contact	:Immediately remove from skin with a cloth. Flush with plenty of water And soap or skin detergent. Do not use solvent.
Ingestion	:If swallowed, keep calm and consult a doctor immediately. Keep from swallowing the vomit.
Protection	:Wear a tool for appropriate protection. Ventilate.

#### 5. Fire Fighting Measures

Flammable Properties	:The harmful gas such as carbon monoxide or the low molecular monomer occurs by combustion.
Extinguishing Media	:CO <sub>2</sub> , foam, powder, dry sand. Never Splash water.
Fire Fighting	:Use proper protection such as heat resisting clothes ,etc.
Instructions	:Promptly remove flammables.

#### 6. Accidental Release Measures

Personal Precautions	:Avoid contact with eyes. Do not rub eyes with hands during production. No Special precautions for dermal contact are needed. Wash hands with Soap thoroughly.
Land Spill	:Use proper protection. Dispose waste according to legal instructions. Promptly remove ignitable, hot, or flammable items. Prepare proper fire extinguishing for accidental ignition. Use plastic or other equipment to prevent sparks during recovery operation. Use dry sand, dirt or other inflammable absorbers.
Water Spill	:Avoid discharge to rivers and environmental effects.

#### 7. Handling & Storage

Handling	:Use proper protection such as gloves, masks, aprons, goggles, etc. Handle in well-ventilated condition. Prohibit use of fire, spark or heat source. Ground equipment against electrostatics and use explosion proof electric equipment. Use spark proof tools. Keep used cloths, waste in water until disposal. Use local exhaust system and proper protection if working in closed condition.
Storage	:Keep from sunlight and store in well-ventilated area. Keep from fire

or heat source.

## 8. Exposure Controls & Personal Protection

Exposure Controls	: Use explosion proof handling equipment. Use exhaust system to prevent vapor build-up. Group transporting, scooping, agitating or liquid handling equipment. Keep heat or fire sources from handling area. If working indoors, use automatic coating machine or other proper equipment to protect workers from direct exposure or use local exhaust system to protect workers from exposure.
Respiratory Protection	: Wear gas masks for organic gases. Wear ventilation masks when working in closed area. An air purifying respirator with organic vapor cartridge or canister may be permissible under certain circumstances.
Hand Protection	: Wear gloves that resist organic solvents and chemicals.
Eye Protection	: Wear coverall, goggles and face shield when handling.
Skin Protection	: To prevent any contact, wear impervious clothing such as gloves, aprons, boots, or whole body suits made from neoprene, as appropriate.

## 9. Stability & Reactivity

Conditions To Avoid	: Excess heat or cold. Sparks. Ignition. Direct sunlight.
Stability	: Stable
Materials To Avoid	: Strong acid. Strong bases.
Hazardous Reaction	: Will NOT occur.
Decomposition Products	: To burn this product may produce toxic gases.

## 10. Disposals Of Waste

Considerations	: Have waste liquids, containers and other materials disposed of by licensed waste contractors. Keep waste liquids from flushing containers, machines or other equipments from flowing directly to the ground or drainage. Dispose of wastes from drainage, combustion, etc, in compliance with laws and regulations. Do not dump this product into sewers on the ground or into any body of water.
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