

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Name of the product	Solvent ink fluid in cartridge, HS ink	SPC-0477M
Type	Solvent type pigment ink fluid M	
Manufacturer's Name / Supplier Address	Mimaki Engineering Co., Ltd. 1333-3 Kazawa Oaza Tomishi, Nagano 389-0514 Japan	
Phone Number / Fax	81-268-64-2413 / 81-268-62-3996	
Contact Person	Masaru ohnishi (Inks & Media Dept.)	

2. COMPOSITION/INFORMATION ON INGREDIENTS

Specific chemical identity Mixture Poisonous and Deleterious Substances Control Law:
Not applicable

Hazardous components

Chemical or common name	CAS NO.	EINECSS NO.	Concentration (wt%)
Cyclohexanone	108-94-1	203-631-1	5.0 to 0.1

EU classification

Chemical or common name	Classification	Indication
Cyclohexanone	R10 • Xn;R20	[Xi] • R : 10-20 • S(2)-25

3. HAZARDS IDENTIFICATION

Classified name	Flammable liquid, acute toxic substance
Hazard comments	Stagnant vapor may cause fire. May cause organic solvent poisoning. Do not inhale. Inhalation may cause any of the following symptoms: Dizziness, headache Slight anesthesia Irritation to eyes, skin or respiratory tract

4. FIRST AID MEASURES

Eye	Flush eyes with plenty of water for at least 15 minutes. Consult a doctor immediately.
Skin contact	Immediately remove from skin with cloth. Flush thoroughly with plenty of water and soap or skin detergent. Do not use solvent or thinner. Consult a doctor in case of change of appearance or ache.
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.

Swallowing
Consult a doctor immediately.
If inhaled and feeling sick, remove to fresh air, keep warm and calm and consult a doctor.
If swallowed, keep calm and consult a doctor immediately.
Keep from swallowing vomit.

5. FIRE FIGHTING MEASURES

Extinguishers
CO₂, foam, powder, dry sand
Method
Use proper protection (heat-resisting clothes, etc.).
Promptly remove flammables.
Never splash water.

6. ACCIDENTAL RELEASE MEASURES

Use proper protection (gloves, masks, aprons, goggles, etc.)
Collect spills in a sealing container and remove to safe place.
Dispose of waste according to legal instructions.
Promptly remove ignitable, hot, or flammable items.
Prepare proper fire extinguishers for accidental ignition.
Use plastic or other equipment to prevent sparks during recovery operation.
Use dry sand, dirt or other nonflammable absorber.
Avoid discharge to rivers and environmental effects.

7. HANDLING AND STORING

Handling precautions
Handle in well-ventilated area.
Prohibit use of fire, sparks or heat source.
Ground equipment against electrostatics and use explosion-proof electric equipment.
Use spark-proof tools.
Keep used cloths, waste paints or spray dusts in water until disposal.
Use proper protection (gloves, masks, aprons, goggles, etc.)
Use local exhaust system and proper protection if working in closed area.
Storing precautions
Keep from sunlight.
Store in well-ventilated area.
Keep from open fire or heat source.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Equipment
Use explosion-proof handling equipment.
Use exhaust system to prevent vapor build-up
Ground transporting, scooping, agitating or other 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.

laws and regulations on waste disposal or cleaning, or have them disposed of by contractors.

To avoid harmful gases, do not use incinerators without flushing systems to burn wastes and other materials.

14. TRANSPORT INFORMATION

Common	Follow handling and storing precautions.
Land transport	Follow legal requirements on transportation.
Marine transport	Follow the Ship's Safety Law.
Air transport	Follow the Aviation Law.
UN Number	Not applicable

15. REGULATORY INFORMATION

EU Symbol:	F Flammable, Xi Irritant, Xn Harmful
Risk Phrases:	R10 Flammable. R20/R21 Harmful if inhaled or swallowed. R36 Irritating to eyes.

16. OTHER INFORMATION

This MSDS is a concise assortment of information necessary for proper use of the Mimaki products. The MSDS reflects the latest documents, information and data available at the time of publication. However, assessment on risks and hazards may not be complete and extra precaution on use is highly recommendable. The MSDS is subject to change without notice due to revision of laws and/or new knowledge.