

SDS No. 037-S030520 First issue: 2009/12/08 Revised: 2019/10/10

Safety Data Sheets

1. Identification

Product Name : SS2 ink Magenta

Order No. : SPC-0380M-2A/SPC-0411M-2A

General Use : Ink for ink jet printer
Product Description : Solvent pigment ink

SDS Number : 037-S080520

Manufacture

Company Name : Mimaki Engineering Co., Ltd.

Address : 2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN

Telephone No. : +81-268-64-2413

Importer / Distributor Established in USA

Company Name : MIMAKI USA, INC.

Address : 150 Satellite Boulevard, suite A, Suwanee, Georgia 30024, U.S.A.

Telephone No. : +1-678-730-0170

Emergency Telephone No. : +1 866 928 0789 (within United States only, Toll free)

+1 215 207 0061

2. Hazards Identification

[GHS Classification]

Physical Hazards

Flammable Liquids : Category 4

Health Hazards

Eye Damage / Irritation : Category 2

Specific Target Organ Toxicity : Category 2 (central nervous system)

(Single Exposure)

Specific Target Organ Toxicity : Category 3 (drowsiness and dizziness)

(Repeated Exposure)

The above list does not include category being non-classifiable or not-applicable.



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[GHS Label Elements] Symbol





Signal Word Warning

Hazard Statements

H227 Combustible liquid

H319 Cause serious eye irritation

H371 May cause damage to central nervous system

H336 May cause drowsiness and dizziness

Precautionary Statements

[Prevention]

P210 Keep away from heat/sparks/open flames/hot surfaces.-No smoking.

P260 Do not breathe vapor or mist.

P264 Wash hands thoroughly after handling.

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

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/clothing and eye/face protection.

[Response]

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor/physician.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P370+P378 In case of fire: Use appropriate media for extinction.

[Storage]

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

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

[Disposal]

P501 Dispose of contents and container in accordance with local, regional, national and international regulation.

NFPA Rating (scale 0-4)

Health = 2

Flammability = 2

Instability = 0

Special = None





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CANADIAN WHMIS SYMBOLS



3. Composition / Information on Ingredients

No	Chemical Name	Wt%	CAS No.		
1	Glycol ether solvents	65-75	Trade Secret		
2	Propylene glycol monomethyl ether acetate	10-20	108-65-6		
3	Lactone solvent series	5-15	Trade Secret		
4	Vinyl resin	1-5	Trade Secret		
5	Quinacridone pigment series	1-5	Trade Secret		

4. First Aid Measures

Inhalation : Remove person to fresh air and keep comfortable for breathing. Call

a POISON CENTER or doctor/physician.

Eye Contact : Flush eyes with plenty of water for at least 15 minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. Get

immediate medical attention.

Skin Contact : Wash with plenty of soap and water. Take off contaminated clothing

and wash before re-use. Get medical attention if irritation develops.

Ingestion : If swallowed, get medical attention.

Most Important Symptoms/Effects

Acute : eye irritation, central nervous system depression, drowsiness and

dizziness

Delayed : no information on significant adverse effects

Indication of Immediate

: Treat symptomatically and supportively.

Medical Attention and Special Treatment Needed, If Needed

5. Fire Fighting Measures

Flammable Properties : Flash point 64.2°C (TCC)



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Auto Ignition Temperature: 169°C Flammable point: 2.2% to 33.0%

Extinguishing Media : carbon dioxide, regular dry chemical, water spray, alcohol resistant

foam

Unsuitable Extinguishing : Do not scatter spilled material with high-pressure water streams.

Media

Special Hazards Arising : Combustible liquid and vapor.

from the Chemical

Hazardous Combustion : oxides of carbon, acid halides

Products

Fire Fighting : Move container from fire area if it can be done without risk. Do not

Measures scatter spilled material with high-pressure water streams. Cool

containers with water spray until well after the fire is out. Stay

away from the ends of tanks. Avoid inhalation of material or

combustion by-products. For fires in cargo or storage area: Cool containers with water from unmanned hose holder or monitor

nozzles until well after fire is out. If this is impossible then take the

following precautions: Keep unnecessary people away, isolate

hazard area and deny entry. Let the fire burn. Withdraw

immediately in case of rising sound from venting safety device or

any discoloration of tanks due to fire.

Special Protective : Wear full protective fire fighting gear including self contained

Equipment and breathing apparatus (SCBA) for protection against possible

Precautions for exposure.

Firefighters

6. Accidental Release Measures

Personal Precautions, : Wear personal protective clothing and equipment, see Section 8.

Protective Equipment Avoid release to the environment.

and Emergency

Procedures

Methods and Materials : Eliminate all ignition sources if safe to do so. Stop leak if possible

for Containment and

Cleaning Up Small spills: Absorb with sand or other non-combustible material.

Collect spilled material in appropriate container for disposal.

without personal risk. Reduce vapors with water spray.



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Large spills: Dike for later disposal. Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind and keep out of low areas.

7. Handling and Storage

Precautions for Safe

Handling

: Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Do not breathe vapor or mist. Use only outdoors or in a well-ventilated area. Avoid contact with eyes, skin and clothing. Do not eat, drink, or smoke when using this product. Wear protective gloves and eye/face protection. Wash thoroughly after handling. Avoid release to the environment.

Conditions for Safe Storage, including any Incompatibilities Store and handle in accordance with all current regulations and standards. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Grounding and bonding required. Store locked up.

Keep separated from incompatible substances.

8. Exposure Controls / Personal Protection

Exposure Limit Values : ACGIH, OSHA, and NIOSH have not developed exposure limits for

any of this product's components.

Component Biological

Limit Values

: There are no biological limit values for the component(s) of this

product.

Exposure Controls

Occupational Exposure Controls

Appropriate

Engineering Controls

: Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

Personal Protection

Respiratory

Protection

: Consult with a health and safety professional for specific respirators appropriate for your use.





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Hand Protection

: Wear appropriate chemical resistant gloves.



Eye Protection

Safety

: Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the

immediate work area.

Skin Protection



: Wear appropriate chemical resistant clothing.

9. Physical and Chemical Properties

Appearance - Physical State : Liquid

- Color : Red

Odor : slight solvent odor

pH : Not available

Boiling Point / Boiling Range :>=124 ℃

Melting Point / Melting Range : Not available

Decomposition Temperature : Not available

Flash Point $: 64.2^{\circ}\mathbb{C}$ (closed cup)

Auto ignition temperature : 169°C

Flammability (Solid, Gas) : Not applicable
Explosive Properties : Not available
Oxidizing Properties : Not available
Upper / Lower Flammability or : 2.2% to 33.0%

Explosive Limits

Vapor Pressure : Less than 133Pa(20°C)

Specific Gravity : $0.970 (20 \, ^{\circ}\text{C})$ Solubility : Not available
Water Solubility : Not available
Partition Coefficient (n-octanol / Water) : Not available
Viscosity : $3.9 \pm 0.3 (20^{\circ} \, ^{\circ}\text{C})$ Vapor Density : Not available



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Evaporation Rate : Not available VOC : 906.7 g/L

10. Stability and Reactivity

Reactivity : No reactivity hazard is expected.

Chemical Stability : Stable under normal conditions of use.

Possibility of Hazardous : Will not polymerize.

Reactions

Conditions to Avoid : Avoid flames, sparks, and other sources of ignition. Containers may

rupture or explode if exposed to heat. Avoid contact with incompatible

materials.

Incompatible Materials : acids, bases, oxidizing materials, halogens

Hazardous : Combustion: oxides of carbon, acid halides

Decomposition

11. Toxicological Information

Acute Toxicity : The component(s) of this material have been reviewed in various

Component Analysis - sources and the following selected endpoints are published:

LD50/LC50 Propylene glycol monomethyl ether acetate (108-65-6)

Dermal LD50 Rabbit >5 g/kg; Oral LD50 Rat 8532 mg/kg

Lactone solvent series (Proprietary)

Inhalation LC50 Rat >5100 mg/m3 4 h; Oral LD50 Rat 1540 mg/kg

Information on Likely Routes of Exposure

Inhalation : irritation, nausea, headache, drowsiness, dizziness, loss of

coordination, unconsciousness, coma, kidney damage, liver damage

Ingestion : irritation, nausea, headache, drowsiness, dizziness, loss of

coordination, unconsciousness, coma

Skin Contact : irritation, nausea, headache, drowsiness, dizziness, unconsciousness,

coma

Eye Contact : irritation

Immediate Effects : eye irritation, central nervous system depression, drowsiness,

dizziness

Delayed Effects : no information on significant adverse effects



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Medical Conditions : No information available for the product.

Aggravated by Exposure

Irritation/Corrosivity

: eye irritation

Data

Respiratory : No information available for the product.

Sensitization

Dermal Sensitization : No information available for the product.

Germ Cell Mutagenicity : No information available for the product.

Carcinogenicity : Component Carcinogenicity

Lactone solvent series (Proprietary)

IARC:	Monograph 71 [1999]; Supplement 7 [1987];
IANC.	Monograph 11 [1976] (Group 3 (not classifiable))

Vinyl resin (Proprietary)

IARC:	Supplement 7 [1987]; Monograph 19 [1979] (Group 3
IANC.	(not classifiable))

Reproductive Toxicity : No information available for the product.

Specific Target Organ : central nervous system, drowsiness, dizziness

: No target organs identified.

Toxicity - Single

Exposure

Specific Target Organ

Toxicity - Repeated

Exposure

Aspiration Hazard : No information available for the product.

12. Ecological Information

Handling is noted because it might influence the environment when

leaking and abandoning it.

Especially, note that the product doesn't flow directly to ground, the

river, and the drain ditch.

Component Analysis -

Aquatic Toxicity

: Propylene glycol monomethyl ether acetate (108-65-6)

Fish:	96 Hr LC50 Pimephales promelas: 161 mg/L [static]					
Invertebrate:	48 Hr EC50 Daphnia magna Straus: >500 mg/L					

Lactone solvent series (Proprietary)

Algae:	72 Hr EC50 Desmodesmus subspicatus: 360 mg/L;				
Algae	96 Hr EC50 Desmodesmus subspicatus: 79 mg/L				



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Invertebrate: 48 Hr EC50 Daphnia magna Straus: >500 mg/L

Persistence and : Not available

Degradability

Bioaccumulation : Not available Mobility : Not available : Not available Other Toxicity

13. Disposal Considerations

: Comply with all USA, national and local regulations.

Do not dump this product into sewers, on the ground or into any body

of water.

Disposal Methods : Dispose in accordance with all applicable regulations.

Component Waste : The U.S. EPA has not published waste numbers for this product's

Numbers components.

Disposal of : Empty containers may contain product residue. Dispose in

Contaminated accordance with all applicable regulations.

Packaging

14. Transport Information

Check a thing without a leak in a container.

Perform prevention of collapse of cargo surely.

US DOT Information

Shipping : Combustible liquid, n.o.s.

Name (Contains: Propylene glycol monomethyl ether acetate)

UN Number : NA1993

Hazardous Class : Combustible liquid

Packing Group (PG) : III

TDG Information : Not regulated as dangerous goods for transport.

Marine Pollutant : Propylene glycol monomethyl ether acetate (108-65-6)

IBC Code: Category Z

Lactone solvent series (Proprietary)

IBC Code: Category Y



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15. Regulatory Information

U.S. Federal : None of this products components are listed under SARA Sections

Regulations 302/304 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR

370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4),

TSCA 12(b), or require an OSHA process safety plan.

SARA Title III : Acute Health: Yes Section 311/312 : Chronic Health: No

Fire: Yes

Pressure: No Reactive: No

U.S. State Regulations : None of this product's components are listed on the state lists from

MA, MN, NJ or PA.

California Proposition : WARNING:

This product can expose you to chemicals including Vinyl

Chloride, which is known to the State of California to cause

cancer. For more information go to www.P65Warnings.ca.gov.

Canada : WHMIS CLASSIFICATION: B3, D2B.

Canadian WHMIS : None of the product component(s) are listed on the Ingredients

Ingredient Disclosure Disclosure List (IDL).

List (IDL)

Chemical Inventory : Component Analysis - Inventory

Listings

Component	US	CA	EU	AU	PHIL	JP	KR	CN	NZ
Glycol ether solvents (Proprietary)	Yes	NSL	EIN	No	No	Yes	No	Yes	No
Propylene glycol monomethyl ether	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
acetate(108-65-6)	168	Doll	12111	ies	105	105	103	103	105
Lactone solvent series (Proprietary)	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Vinyl resin (Proprietary)	Yes	DSL	No	Yes	Yes	Yes	Yes	Yes	Yes



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16. Other Information

Key/Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; CAS - Chemical Abstracts Service; CLP - Classification, Labelling and Packaging; EEC - European Economic Community; EIN (EINECS) - European Inventory of Existing Commercial Chemical Substances; ELN (ELINCS) - European List of Notified Chemical Substances; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IMDG - International Maritime Dangerous Goods; IBC Code - International Bulk Chemical Code; Kow - Octanol/water partition coefficient; LEL - Lower Explosive Limit; LOLI - List Of LIstsTM - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NTP = National Toxicology Program; REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - European Rail Transport; STEL - Short-term Exposure Limit; TWA - Time Weighted Average; UEL - Upper Explosive Limit

Other Information

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