Safety Data Sheet

Section 1—Identification

Product identifier	EFS-150 Fluorescent Yellow
Other means of identification	Not available
Product code	EFS150-FY-BA

Recommended use of the chemical and restrictions on use

Recommended use	Ink for inkjet printers
Restrictions on use	Use for purposes other than those recommended is prohibited.

Details of Australian manufacturer or importer

Name	MIMAKI AUSTRALIA PTY LTD.
Australian address	Unit 14, 38-46 South Street, Rydalmere, NSW 2116, Australia
Telephone	+ 61-2-8036-4500
Emergency telephone number	+61 2 8014 4558 (within Australia only) 18000 74234 (within Australia only) +65 3158 1074

Details of overseas supplier

Name	MIMAKI ENGINEERING CO., LTD.
Address	2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN
Telephone	+81-268-64-2413

Section 2—Hazard(s) identification

Classification of the hazardous chemical

Acute toxicity (Oral)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitisation	Category 1
Reproductive Toxicity	Category 2
Specific target organ toxicity - Single exposure	Category 3 (Respiratory tract irritation)
Specific target organ toxicity - Repeated exposure	Category 2
Hazardous to aquatic environment - Chronic hazard	Category 2

Hazards not described are "Not classified", "Not applicable" or "Classification not possible".

Label elements

Pictogram



Signal word Danger

Hazard statement

Harmful if swallowed
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye damage
May cause respiratory irritation
Suspected of damaging fertility or the unborn child
May cause damage to organs through prolonged or repeated exposure
Toxic to aquatic life with long lasting effects

Precautionary statement

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash contaminated areas thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Response

IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.
IF ON SKIN: Wash with plenty of water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Immediately call a POISON CENTRE/doctor.
Specific treatment(see section 4 on SDS).
Rinse mouth.
If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.
Collect spillage.

Storage Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3—Composition and information on ingredients

Distinction of substance or mixture Mixture

Chemical name	CAS Number	Concentration or concentration range
Morpholine, 4-(1-oxo-2-propenyl)-	5117-12-4	15-30%
2-Propenoic acid, 2-phenoxyethyl ester	48145-04-6	15-30%
2-Propenoic acid, phenylmethyl ester	2495-35-4	15-30%
Phosphinic acid, P-phenyl-P-(2,4,6-trimethylbenzoyl)-, ethyl ester	84434-11-7	4-10%
2-Propenoic acid, 1,6-hexanediyl ester	13048-33-4	1-10%
Methanone, 1,1′-(phenylphosphinylidene)bis[1-(2,4,6-trimethylphenyl)-	162881-26-7	1-5%
9H-Thioxanthen-9-one, 2,4-diethyl-	82799-44-8	1-5%
2-Propenoic acid, oxybis(methyl-2,1-ethanediyl)ester	57472-68-1	1-5%

Section 4—First aid measures

Description of necessary first aid measures

Inhalation IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Immediately call a POISON CENTRE/doctor.

Skin contact IF ON SKIN: Wash with plenty of water.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Immediately call a POISON CENTRE/doctor.

Eye contact IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTRE/doctor.

Ingestion	IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell. Rinse mouth. Immediately call a POISON CENTRE/doctor.
Symptoms caused by exposure	Not available
Medical attention and special treatment	Treat according to the symptoms.

Section 5—Firefighting measures

Suitable extinguishing equipment	Extinguishing media suitable for ordinary combustible materials, such as water spray or foam.
Unsuitable extinguishing media	Not available
Specific hazards arising from the chemical	Fire may produce irritating, corrosive and/or toxic gases.
Special protective equipment and precautions for firefighters	Move containers from fire area if you can do it without risk. Be careful not to cause environmental pollution by the outflow of fire extinguishing agent or dilution water. Wear proper protective equipment. Extinguish fire from windward as much as possible. Hazchem Code: ●3Z

Section 6—Accidental release measures

Personal precautions, protective equipment and emergency procedures

Workers must wear appropriate protection equipment (see Section 8) and work from upwind.

Isolate the site as a leak area by providing a zone that has an appropriate width to all directions.

Prohibit unauthorized entry into the area.

Environmental precautions

Avoid release to the environment.

Methods and materials for containment and cleaning up

Stop leak if you can do it without risk.

Collect spillage as much as possible.

Section 7—Handling and storage

Precautions for safe handling

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash contaminated areas thoroughly after handling.

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

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Conditions for safe storage, including any incompatibilities

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

Store locked up.

Section 8—Exposure controls and personal protection

Exposure control measures

Workplace Exposure Standards for Airborne Contaminants (Australia)

Not available

ACGIH

Not available

Biological monitoring

ACGIH	Not available
Control banding	Not available
Engineering controls	It is recommended to properly install local exhaust device, closed system or full ventilation equipment. Provide showers, hand-wash and face-wash stations in the workplace and display the position clearly.

Individual protection measures, for example personal protective equipment (PPE)

Eye and face protection	Wear eye protection as necessary.
Skin protection	Wear protective clothing, safety shoes and gloves as necessary.
Respiratory protection	Wear face protection as necessary.
Hand protection	Wear protective gloves as necessary.
Thermal hazards	Not available

Section 9—Physical and chemical properties

Physical state	Liquid

Colour	Yellow
Odour	Peculiar odour
pH	Not applicable
Melting point/freezing point	Not available
Boiling point or initial boiling point and boiling range	Not available
Flash point	>100℃(Closed cup)
Flammability	Not available
Lower and upper explosion limit/flammability limit	Upper limits: Not available Lower limits: Not available
Vapour pressure	Not available
Density and/or relative density	1.0-1.2
Solubility	Insoluble
Partition coefficient n-octanol/water (log value)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	15-25mPa･s(25℃)
Kinematic viscosity	Not available
Relative vapour density	Not available
Particle characteristics	Not available

Section 10—Stability and reactivity

Reactivity	Not available
Chemical stability	Stable under normal handling conditions.
Possibility of hazardous reactions	May react with incompatible materials.
Conditions to avoid	Avoid flames, sparks, static discharge, heat, and direct sunlight during long-term storage.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Thermal decomposition may produce irritating and toxic gases and vapours.

Section 11—Toxicological information

Acute toxicity

Oral	Category 4

Dermal	Not available
Inhalation	Not available

Skin corrosion/irritation

Category 2

Serious eye damage/irritation

Category 1

Respiratory sensitisation

Not available

Skin sensitisation

Category 1

Germ cell mutagenicity

Not available

Carcinogenicity

Not available

Reproductive toxicity

Category 2

Specific target organ toxicity - single exposure

Category 3 (Respiratory tract irritation)

Specific target organ toxicity - repeated exposure

Category 2

Aspiration hazard

Not available

Section 12—Ecological information

Ecotoxicity

Hazardous to aquatic environment - Chronic hazard: Category 2

Persistence and degradability

Not available

Bioaccumulative potential

Not available

Mobility in soil

Not available

Other adverse effects

Not available

Section 13—Disposal considerations

Disposal methods

Dispose of contents/container in accordance with local/regional/national/international regulations.
Entrust an industrial waste processor licensed by the local government, etc. or a local administration that handles the business to dispose.

Section 14—Transport information

UN number	3082
Proper shipping name or technical name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Contains 2-propenoic acid, phenylmethyl ester, 2-propenoic acid, 2-phenoxyethyl ester)
Transport hazard class	9
Packing group number	III
Environmental hazards for transport purposes	
Marine pollutant (Yes/No)	Yes
Special precautions for user	Make sure that there is no leakage of containers during transporting. Prevent containers from overturning, falling and being damaged during loading. Prevent the cargo from collapsing.
Additional information	Not available

Section 15—Regulatory information

No main regulation

Section 16—Other information

Key/legend to abbreviations and acronyms used

ACGIH: American Conference of Governmental Industrial Hygienists

Notice to reader

The information provided in this SDS are based on currently available materials, information, and other data, however, we cannot assume any liability for the accuracy of the information contained. All chemical products may have unknown, potentially hazardous characteristics. It is recommended that handling should be done with caution.

The sign "-" included above means no relevant information.