

SAFETY DATA SHEET

MSDS: 2015064033AU

Date Prepared: 2016/02/18

Date Revised: 2019/08/26

Product Name: Ink for KM-1 HS101C

1. Identification of the substance/mixture and of the company/undertaking

Product Name: Ink for KM-1 HS101C
 Identification of the supplier: Konica Minolta Business Solutions Australia Pty. Ltd.
 Address: 4 Drake Avenue, Macquarie Park, NSW 2113, Australia
 Charge section: (TEL: (02) - 8026 - 2222)
 Contact point: National Technical Support
 TEL: 1800 625 935, e-mail address : nts@konicaminolta.com.au
 For emergency enquiries, please contact Konica Minolta
 Australia during Monday to Friday from 8:30am - 5.00pm (AEST)
 Recommended use: Ink

2. Hazards identification

hazard category	Category
Flammable liquids	No Classification
Acute toxicity (oral)	No Classification
Serious eye damage/eye irritation	Category 2
Skin sensitizer	Category 1
Specific target organ systemic toxicity following single exposure	Category 3
Chronic hazards to the aquatic environment	Category 3

LABEL ELEMENTS

Precautionary pictograms:



Signal word: Warning
 Hazard Statement: Causes serious eye irritation
 May cause allergic skin reaction
 May cause respiratory irritation
 Harmful to aquatic life with long lasting effects
 Precautionary Statements:
 Prevention: See Section 4,7
 Response: See Section 4,7

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3. Composition/information on ingredients

Substance/Mixture: Mixture
Ingredients and Concentration

Ingredient Name	Concentration on wt. %	CAS#
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	10-30	42978-66-5
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	1-10	75980-60-8
phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	1-10	162881-26-7

4. First-aid measures

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

Skin Contact: Call a POISON CENTER or doctor/physician if you feel unwell.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or a rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.

Eye Contact: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing.
If eye irritation persists : Get medical advice/attention.

Ingestion: Call a POISON CENTER or doctor/physician if you feel unwell.
Wash out mouth with water. Drink one or two glasses of water. Get medical attention. ONLY induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

5. Fire-fighting measures

Suitable Extinguishing Media: Water spray, dry chemical, carbon dioxide, foam.

Extinguishing Media to Avoid: No information.

Fire Fighting: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Apply cooling water to sides of containers that are exposed to flames. Combat fire out of sheltered position.

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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Wear personal protective equipment(See Section 8). Ventilate closed spaces before entering.
Environmental precautions:	Avoid release to the environment.
Methods and materials for containment and cleaning up:	Stop leak if you can do it without risk.Dike far ahead of large spill to assure containment. Absorb spill with inert material(e.g. dry sand or earth), then place in a chemical waste container
Prevention of second accident:	Eliminate all sources of ignition. Use spark-proof tools.

7. Handling and storage

Handling	Technical Measures:	Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace.
	Ventilation requirements:	Use with adequate ventilation.
	Precautions:	No information.
	Precautions for safe handling:	Avoid breathing dust/fume/gas/mist/vapours/spray. The routine use of neutral or weak acid type of hand cleaner and regular cleaning of working surfaces, gloves, etc. will help minimize the possibility of a skin reaction.
Storage	Storage Conditions:	Store in a well ventilated place. Keep container tightly closed. Store locked up.
	Safety adequate container materials:	No information.

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8. Exposure controls/personal protection

Appropriate engineering controls: Use process enclosures or local exhaust ventilation.

Control parameters

Ingredient Name	ACGIH		AU - OEL	
	TLV-TWA	TLV-STEL	TWA	STEL
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	None established	None established	None established	None established
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	None established	None established	None established	None established
phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	None established	None established	None established	None established

Personal Protective Equipment

Respiratory Protection: Not required under normal conditions.

Hand protection: Impervious gloves should be worn.

Eye/face protection: Splash goggles should be worn.

Skin Protection: Not required under normal conditions.

9. Physical and chemical properties

Product

Physical state: Liquid
Form: Viscous liquid
Color: Cyan
Odor: Slight characteristic odor
pH: No data.
Melting point/freezing point: No data.

Initial boiling point and boiling range: No data.
Flash point: 208(°C) (Cleveland Open Cup) (Data of similar product)
Auto-ignition temperature: No data.

Upper/lower flammability or explosive limits: No data.
Vapour pressure: No data.
Vapour density: No data.
Evaporation rate: No data.
Specific Gravity: 1.04—1.06(80°C)
Solubility: water : Insoluble.
organic solvents : Soluble.

Partition coefficient: n-octanol/water: No data.
Decomposition temperature: No data.
Other physical or chemical parameters: VOC: 0 g/L

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10. Stability and reactivity

Chemical stability: Stable.
 Possibility of hazardous reactions: No Information.
 Conditions to avoid: No Information.
 Incompatible materials: Oxidizers
 Hazardous decomposition products: Carbon monoxide, Carbon dioxide, Phosphine

11. Toxicological information

Product

No Data

Ingredient

(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate

Acute toxicity (oral): LD50: 6200 mg/kg[rat], LD50: > 5000 mg/kg[mouse]
 Acute toxicity (dermal): LD50: > 2000 mg/kg[rabbit]
 Skin corrosion/irritation: Mild P.I.=1.0 [rabbit]
 Serious eye damage/irritation: Severe [rabbit]
 Skin sensitization: Strong 70% [guinea pig]
 Mutagenicity: Ames Test:Negative, Micronucleus test:Negative

Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

Acute toxicity (oral): LD50: > 2000 mg/kg[rat]
 Skin corrosion/irritation: None [rabbit]
 Serious eye damage/irritation: None [rabbit]
 Mutagenicity: Ames Test:Negative
 Reproductive toxicity: EU:Category 3 : R62

phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide

No Data

12. Ecological information

Product

No Data

Ingredient

(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate

Ecotoxicity

Fish acute toxicity: 96hrLC50: 4.5~10 mg/L

Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

Ecotoxicity

Fish acute toxicity: LC50: 1~10 mg/L[Japanese killifish]

phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide

No Data

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13. Disposal considerations

Disposal methods: When disposing of the waste, containers or recovered material, consult national and/or local regulations for the proper disposal method.

14. Transport information

UN Class UN None (Not a dangerous good under IATA or IMDG.)
classification :

15. Regulatory information

Montreal Protocol on Substances that Deplete the Ozone Layer:

Not applicable

Stockholm Convention on Persistent Organic Pollutants (POPs):

Not applicable

Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade (PIC):

Not applicable

International Convention for the Prevention of Pollution from Ships (MARPOL):

Not applicable

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP):

Not applicable

16. Other information

Disclaimer

The above information is believed to be accurate and represents the best information currently available to our company. However, our company make no warranty with respect to such information, and our company assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.