



Safety Data Sheets

Product Name: UVink LUS-150 Black
SDS No. 037-U081353
First issue: 2016/03/30
Revised:2024/06/17

* * *Section 1 - IDENTIFICATION* * *

Product Identifier: UvinkLUS-150 Black

Product Description

LUS15-K-BA

Product Use

Pigment ink for ink jet printer

Restrictions on Use

None known.

Manufacturer Information

Mimaki Engineering Co., Ltd
2182-3 Shigeno-otsu, Tomi-shi, Nagano
389-0512 Japan

Telephone number: +81-268-64-2413

Importer / Distributor Information

MIMAKI AUSTRALIA PTY LTD.
Unit 14, 38-46 South Street, Rydalmere, NSW 2116,
Australia

Telephone number: + 61-2-8036-4500

Emergency telephone number

+61 2 8014 4558 (within Australia only)
18000 74234 (within Australia only)
+65 3158 1074

* * *Section 2 - HAZARDS IDENTIFICATION* * *

GHS Classification

Skin sensitizer, Category 1
Carcinogenicity, Category 2
Toxic to reproduction, Category 2
Specific Target Organ Toxicity - Repeated Exposure, Category 1 (lungs)
Hazardous to the Aquatic Environment - Long Term Hazard, Category 2

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

DANGER

Hazard Statement(s)

H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer
H361 Suspected of damaging fertility or the unborn child.



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H372 Causes damage to lungs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

Prevention

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.

Response

P308+P313 IF exposed or concerned: Get medical advice/attention.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards which do not Result in Classification

None known.

Main Symptoms and Emergency Overview

Combustible liquid. May cause an allergic skin reaction. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to lungs through prolonged or repeated exposure.

* * *Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS* * *

CAS	Component	Percent
75980-60-8	Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide	5-10
1333-86-4	Carbon black	1-5
15625-89-5	Trimethylolpropane triacrylate	<1
42978-66-5	Tripropylene glycol diacrylate	<1
122-99-6	2-Phenoxyethanol	<1

Substance/mixture

mixture

* * *Section 4 - FIRST AID MEASURES* * *

Inhalation

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician.

Skin

Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs: Get medical advice/attention.



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Eyes

Rinse cautiously 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

If swallowed, get medical attention.

Note to Physicians

Treat symptomatically and supportively.

Actions to Avoid

No information available for the product.

Symptoms: Immediate

allergic skin reaction, mild skin irritation

Symptoms: Delayed

cancer, reproductive effects, lung damage

* * *Section 5 - FIRE FIGHTING MEASURES* * *

Extinguishing Media

carbon dioxide, regular dry chemical, water spray, alcohol resistant foam

Unsuitable Extinguishing Media

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

Flammable Properties

Negligible fire hazard.

Fire Fighting Measures

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

Hazardous Combustion Products

Combustion: oxides of carbon, oxides of phosphorus, oxides of nitrogen, oxides of sulfur

Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

* * *Section 6 - ACCIDENTAL RELEASE MEASURES* * *

Personal Precautions

Wear personal protective clothing and equipment, see Section 8.

Environmental Precautions

Avoid release to the environment.

Methods and Materials for Containment and Cleanup

Eliminate all ignition sources if safe to do so. Stop leak if possible without personal risk. Reduce vapors with water spray. **Small spills:** Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. **Large spills:** Dike for later disposal. Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind and keep out of low areas.



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Section 7 - HANDLING AND STORAGE

Handling Procedures - Technical measures

Keep away from heat, sparks, open flame, and hot surfaces - No smoking.

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Do not eat, drink, or smoke when using this product. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling.

Handling precautions for contact with incompatible substances of mixtures

Avoid contact with incompatible materials.

Conditions for Safe Storage

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.

Incompatibilities: oxidizing materials, acids, bases

Safe container/package material

No information available for the product.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Analysis

Carbon black (1333-86-4)

Australia: 3 mg/m³ TWA

ACGIH: 3 mg/m³ TWA (inhalable fraction)

Component Biological Limit Values

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

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 PROTECTIVE EQUIPMENT

Eye Protection

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

Body Protection

Wear appropriate chemical resistant clothing.

Hands protection

Wear appropriate chemical resistant gloves.

Respiratory Protection

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

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Appearance:	black liquid
Color:	black	Physical Form:	liquid
Odor:	chemical odor	Odor Threshold:	Not available
pH:	Not available	Melting Point:	Not available



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Boiling Point:	111 °C	Flash Point:	Not applicable
Decomposition Temperature:	Not available	Evaporation Rate:	Not available
LEL:	Not available	UEL:	Not available
Vapor Pressure:	Not available	Vapor Density (air = 1):	Not available
Density:	1.08 g/cm3	Specific Gravity (water = 1):	Not available
Water Solubility:	Poorly soluble	Log KOW:	Not available
Coeff. Water/Oil Dist:	Not available	Auto Ignition Temperature:	Not self-igniting
Viscosity:	Not available	Oxidizing Properties:	Not available
Explosive Properties:	Not available	Flammability (solid, gas):	Not applicable

Other Property Information

No additional information is available.

* * *Section 10 - STABILITY AND REACTIVITY* * *

Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable under normal conditions of use.

Possibility of Hazardous Reactions

Will not polymerize.

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

oxidizing materials, acids, bases

Hazardous Decomposition

Combustion: oxides of carbon, oxides of phosphorus, oxides of nitrogen, oxides of sulfur

* * *Section 11 - TOXICOLOGICAL INFORMATION* * *

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The component(s) of this material have been reviewed in various sources and the following selected endpoints are published:

Carbon black (1333-86-4)

Oral LD50 Rat >15400 mg/kg

Trimethylolpropane triacrylate (15625-89-5)

Dermal LD50 Rabbit 5000 mg/kg

Tripropylene glycol diacrylate (42978-66-5)

Oral LD50 Rat 6200 mg/kg; Dermal LD50 Rabbit >2 g/kg

2-Phenoxyethanol (122-99-6)

Dermal LD50 Rabbit 5 mL/kg; Oral LD50 Rat 1260 mg/kg

Immediate Effects

allergic skin reaction, mild skin irritation

Delayed Effects

cancer, reproductive effects, lung damage



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Irritation/Corrosivity Data

May cause irritation of the skin and eyes.

Respiratory Sensitizer

No information available for the product.

Dermal Sensitizer

May cause an allergic skin reaction.

Germ Cell Mutagenic Data

No information available for the product.

Carcinogenicity

Component Carcinogenicity

Carbon black (1333-86-4)

ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

IARC: Monograph 93 [2010]; Monograph 65 [1996] (Group 2B (possibly carcinogenic to humans))

DFG: Category 3B (could be carcinogenic for man, inhalable fraction)

OSHA: Present

Reproductive Effects Data

Available data characterizes components of this product as reproductive hazards.

Specific Target Organ Toxicity - Single Exposure

No target organs identified.

Specific Target Organ Toxicity - Repeated Exposure

lungs

Aspiration Hazard

No information available for the product.

Medical Conditions Aggravated by Exposure

No information available for the product.

* * *Section 12 - ECOLOGICAL INFORMATION* * *

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Component Analysis - Aquatic Toxicity

Tripropylene glycol diacrylate (42978-66-5)

Algae: 72 Hr EC50 Desmodesmus subspicatus: >28 mg/L

Invertebrate: 48 Hr EC50 Daphnia magna: 88.7 mg/L

2-Phenoxyethanol (122-99-6)

Fish: 96 Hr LC50 Pimephales promelas: 337 - 352 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 366 mg/L [static]

Algae: 72 Hr EC50 Desmodesmus subspicatus: >500 mg/L

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

Persistence and Degradability

No information available for the product.

Bioaccumulation Potential

No information available for the product.

Mobility in Soil

No information available for the product.

Hazardous to ozone layer



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No information available for the product.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose in accordance with all applicable regulations.

Disposal Guidelines

Empty containers may contain product residue. Dispose in accordance with all applicable regulations.

Section 14 - TRANSPORT INFORMATION

IATA Information

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Contains: Tripropylene glycol diacrylate)

UN #: UN3082 **Hazard Class:** 9 **Packing Group:** III

Required Label(s): 9

Special Provision : A197 *1

ICAO Information

Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Contains: Tripropylene glycol diacrylate)

UN #: UN3082 **Hazard Class:** 9 **Packing Group:** III

Required Label(s): 9

IMDG Information

Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Contains: Tripropylene glycol diacrylate)

UN #: UN3082 **Hazard Class:** 9 **Packing Group:** III

Required Label(s): 9

Special Provision : 2.10.2.7 *1

ADG Information

Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Contains: Tripropylene glycol diacrylate)

UNNA Number: UN3082 **Hazard Class:** 9 **Packing Group:** III

Required Labels: 9

Component Analysis

2-Phenoxyethanol (122-99-6)

Category Z

Special precautions

No information available for the product.

*1 Single or inner packaging less than 5 L (liquid) or 5 Kg net (solids) is excepted from Dangerous Goods regulations
-- see UN Special Provision.

Section 15 - REGULATORY INFORMATION

Australia Regulations

Work Health and Safety Regulations - Prohibited Carcinogens

No component(s) are listed on the Prohibited Carcinogens list.

Work Health and Safety Regulations - Restricted Carcinogens

No component(s) are listed on the Restricted Carcinogens list.



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Work Health and Safety Regulations - Restricted Hazardous Chemicals

No component(s) are listed on the Restricted Hazardous Chemicals list.

Component Analysis - Inventory

Component	CAS	US	CA	EU	AU	PHIL	JP	KR	CN	NZ
Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide	75980-60-8	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Carbon black	1333-86-4	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Trimethylolpropane triacrylate	15625-89-5	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Tripropylene glycol diacrylate	42978-66-5	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
2-Phenoxyethanol	122-99-6	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes

* * *Section 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; DOT - Department of Transportation; 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; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IBC Code - International Bulk Chemical Code; Kow - Octanol/water partition coefficient; LC50 - Lethal Concentration, 50%; LD50 - Lethal Dose, 50%; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - 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; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; WHMIS - Workplace Hazardous Materials Information System

Other Information

The information set forth in this Safety Data Sheet does not purport to be all-inclusive and should be used only as a guide. While the information and recommendations set forth herein are believed to be accurate, the company makes no warranty regarding such information and recommendations and disclaims all liability from reliance thereon.

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