

Safety Data Sheet
PRODUCT NAME: BLACK



MSDS No: CK01101
Version: 1.0
Revision date: 06/12/2019

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

Product name Black

Details of the supplier of the safety data sheet:

Manufacturer/Supplier name Rize Inc.
Address 4C Gill St
Woburn, MA 01801
USA
Customer Service 1-978-699-3085
Emergency telephone (English only) 1-978-699-3085

Relevant uses and uses advised against:

Use: Printing ink – professional use. The ink is contained in a cartridge. Under normal conditions of use, the ink is released from the cartridge only inside the printer, therefore exposure is limited

SECTION 2: HAZARD(S) IDENTIFICATION

GHS-US Classification

Eye irritation	Category 2A
Skin irritant	Category 3
Chronic aquatic toxicity	Category 3

GHS label elements

Signal word	Warning
Hazard statements	H319 Causes serious eye irritation H316 Causes mild skin irritation H412 Harmful to aquatic life with long lasting effects



Precautionary statements

Prevention P264: wash thoroughly after handling
P273: avoid release to the environment
P280: Wear eye protection/face protection

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Response	P305+P351+P338: IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337+P313: if eye irritation persists: get medical advice/attention P332+P313: if skin irritation occurs: get medical advice/attention
Storage	Store cartridge in original packaging until ready to use. Do not store opened and/or partially used cartridges.
Disposal	P501: Dispose of contents and cartridge in accordance with all local, regional, national and international regulations.

Other hazards

None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS number	Weight %	GHS classification
1-phenoxy-2-propanol	770-35-4	2-25	Eye irritation (category 2A)
Black colorant	mixture	1-5	Aspiration hazard (cat.2) Carcinogenicity (cat.1) Skin corrosion/irritation (cat.2) Eye damage/irritation (cat.2B) Chronic aquatic toxicity (cat.2)

Additional information

Under normal conditions of use, the ink is released from the cartridge only inside the printer, therefore exposure is limited.

SECTION 4: FIRST AID MEASURES

Inhalation	Move victim to fresh air. Consult a physician. If breathing is irregular or stopped, provide artificial respiration or oxygen by trained personnel. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband.
Skin contact	Wash skin thoroughly with soap and water. Remove all contaminated clothing and shoes. Wash clothing and clean

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shoes before reuse. Get medical attention if symptoms occur.

Eye contact

Immediately flush eyes with plenty of water occasionally lifting the upper and lower eyelids. After initial flushing, check for and remove any contact lenses and continue flushing for at least 15min. Get medical attention.

Ingestion

Do not induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband.

Most important symptoms, both acute and delayed

Inhalation

No known significant effect or critical hazard. Exposure not probable with intended use

Skin contact

No known significant effect or hazard. Exposure to ink not probable with intended use

Eye contact

May cause serious eye irritation. Exposure to ink not probable with intended use

Ingestion

No known significant effect or critical hazard. Exposure not probable with intended use

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled

Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training.

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media

Dry chemical, CO₂, alcohol-resistant foam or water spray (fog)

Unsuitable extinguishing media

Do not use water jet

Specific hazards during fire fighting

In a fire, a pressure increase will occur and the cartridge may burst

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Hazardous combustion products

Decomposition products may include the following materials: carbon dioxide, carbon monoxide

Special protective equipment for fire-fighters

As in any fire, fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

In case of spill, avoid contact with skin and eyes. Wear personal protective equipment. Remove and wash contaminated clothing before reuse. Do not breathe vapor or mist. Do not eat, drink or smoke. Ensure adequate ventilation

Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Try to prevent material from entering drains or water courses. Recover the product in solid form if possible.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Move cartridges from spill area. Absorb spill with an inert dry material and place in appropriate waste disposal container. Use personal protective equipment. Clean contaminated surface thoroughly.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

To avoid damage to cartridge and accidental contact with ink KEEP OUT OF REACH OF CHILDREN. Wash hands and other exposed areas with soap and water before eating, drinking or smoking and when leaving work. Avoid contact with eyes

Conditions for safe storage

Store cartridge in a dry, cool, well-ventilated area away from heat and direct sunlight. Keep in the original unopened package until ready to use.
Recommended storage temperature: 15-30°C



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Ingredient name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Mineral oil CAS#8042-47-5	TWA: 5mg/m ³ 8 hours. Form: inhalable fraction	TWA: 5mg/m ³ 8 hours	TWA: 5mg/m ³ 10 hours Form: mist STEL: 10mg/m ³ 15 min Form: mist

Engineering measures

None required for intended use
 Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Hand protection	None required when used as intended in Rize printer. In case of spill, wear protective gloves
Eye protection	None required when used as intended in Rize printer. Wear safety glasses in case of spill to avoid exposure to liquid splashes or mists.
Skin protection	None required when used as intended in Rize printer. Wear impervious protective clothing, as appropriate in case of spill to prevent skin contact.
Respiratory protection	None required when used as intended in Rize printer.
Hygiene measures	Wash hands before eating, drinking or smoking and using the lavatory. Wash contaminated clothing before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Black
Odor	Aromatic
Odor threshold	Not available
pH	Not available
Viscosity (dynamic)	15 cPs
Relative density	Not available

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Freezing point	Not available
Boiling point/range	Not available
Flash point	> 95°C
Water solubility	insoluble
Evaporation rate	Not available
Explosion limits	Not available
Vapor pressure	Not available
Relative vapor density	Not available
Decomposition temperature	Not available
Autoignition temperature	Not available
Explosive properties	Not available
Oxidizing properties	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or ingredients
Chemical stability	Stable under recommended storage conditions
Possibility of hazardous reactions	None under normal conditions of storage and use
Conditions to avoid	Extreme temperatures and direct sunlight. Oxidizing and reducing agents
Incompatible materials	Oxidizing and reducing agents may destroy color
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Chemical name	LD50 Oral (Rat)	LD50 Dermal (Rabbit)	LC50 Inhalation
Mineral oil 8042-47-5	>5000 mg/kg	>2000 mg/kg	Dusts and mists >5mg/L (Rat) 4 hours
1-phenoxy-2-propanol 770-35-4	>2000mg/kg	>2000 mg/kg	>5.4mg/L (rat) 4hours
Tri(propylene glycol)butyl ether 55934-93-5	2600 mg/kg	>2000 µL/kg	No data available

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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No data available
 Serious eye damage/eye irritation May cause eye irritation

Skin sensitization No data available
 Respiratory sensitization No data available
 Germ cell mutagenicity No data available
 Reproductive toxicity No data available
 Specific target organ toxicity (single exposure) No data available
 Specific target organ toxicity (repeated exposure) No data available
 Aspiration hazard No data available

Carcinogenicity

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC
 OSHA No ingredient of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by OSHA
 NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

Chemical name	Algae	Fish	Daphnia
Mineral oil (petroleum)		LC50 > 10000 mg/L 96h	LC50 > 100 mg/L 48h
Tri(propylene glycol) butyl ether		LC50 poecilia reticulata: 564 mg/L 96h semi-static	EC50 daphnia magna: >100 mg/L 48h static
1-phenoxy-2-propanol	Growth inhibition EC50: >100 mg/L 72h Desmodemus subspicatus	LC50 : 280 mg/L pimephales promelas s	EC50 : 370 mg/L daphnia magna

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Persistence and degradability Not available

Mobility in soil Not available

Other adverse effects Not available

Bioaccumulative potential

Chemical name	Log Pow
Mineral oil (petroleum)	> 6

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in a safe manner in accordance with local/national regulations

SECTION 14: TRANSPORT INFORMATION

Domestic regulation

DOT: not regulated

International regulations

IATA: not regulated

IMDG: not regulated

TDG: not regulated

SECTION 15: REGULATORY INFORMATION

EPA SARA TITLE III CHEMICAL LISTINGS

Section 311/312: Immediate (acute) health hazard

US State Right to Know

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois
Mineral oil		X		
1-phenoxy-2-propanol		X	X	
[(butoxymethylethoxy)methylethoxy]propan-1-ol		X	X	
Beta-caryophyllene		X	X	

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California Prop. 65

This product is not known to contain any chemicals currently listed as carcinogens

SECTION 16: OTHER INFORMATION

HMIS

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant; 1=slight; 2=moderate; 3=high; 4=extreme

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Disclaimer

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End of safety data sheet