

MSDS No: RI05601

Version: 2.0

Revision date: 10/30/2018

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

Product name Release One

Details of the supplier of the safety data sheet:

Manufacturer/Supplier name	Palitra, LLC.
Address	26 Pickerel Rd Wellesley, MA 02482
Customer Service	1-617-331-6748
Emergency telephone (English only)	1-617-331-6748

Relevant uses and uses advised against:

Use: Printing ink for support removal – 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

Not a hazardous substance or mixture

GHS signal word

None

GHS label elements

Not a hazardous substance or mixture. No labeling applicable

Other hazards

None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

This product does not contain any hazardous ingredient at or above regulated thresholds.

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SECTION 4: FIRST AID MEASURES

Inhalation	Remove to fresh air. Get medical attention if symptoms occur.
Skin contact	Wash with water and soap as a precaution. Get medical attention if symptoms occur.
Eye contact	Flush eyes with water while holding eyelids open as a precaution. Remove contact lenses if present and easy to do so. Get medical attention if irritation develops and persists.
Ingestion	If swallowed, do not induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

Most important symptoms, both acute and delayed

None known. Exposure to ink not probable when used as intended in Rize printer.

Protection of first aiders

No special precautions are necessary for first aid responders

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media	Water spray, alcohol-resistant foam, carbon dioxide (CO ₂), dry chemical
Unsuitable extinguishing media	None known
Specific hazards during fire fighting	Exposure to combustion products may be a hazard to health
Hazardous combustion products	Carbon oxides, silicon oxides, formaldehyde
Specific extinguishing methods	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened cartridges. Remove undamaged cartridges from fire area if it is safe to do so. Evacuate area.

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Special protective equipment for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained, and/or if liquid enters sewers or public waters.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material. For large spills, provide appropriate containment to keep material from spreading. Sweep or shovel spills into appropriate container for disposal.
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of release. You will need to determine which regulations are applicable.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills – spillage of this material may create a slippery condition for foot or vehicle traffic.
Wash hands and other exposed areas with soap and water before eating, drinking or smoking and when leaving work.

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

Materials to avoid

Strong oxidizing agents

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substance with occupational exposure limit values

Engineering measures

None required when used as intended in Rize printer.

Personal protective equipment

Hand protection	None required when used as intended. Wash hands before breaks and at the end of workday.
Eye protection	None required when used as intended in Rize printer
Skin protection	None required with intended use. Exposed area should be washed after contact
Respiratory protection	No personal respiratory protective equipment when used as intended in Rize printer
Hygiene measures	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. When using, do not eat, drink or smoke. Wash contaminated clothing before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid
Color	colorless
Odor	none
Odor threshold	No data available
pH	No data available
Viscosity (kinematic)	20 mm ² /s
Relative density	0.95
Freezing point	No data available
Flash point	> 101.1 °C Method: closed cup
Water solubility	insoluble
Evaporation rate	No data available
Explosion limits	No data available

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Vapor pressure	No data available
Relative vapor density	No data available
Decomposition temperature	No data available
Autoignition temperature	No data available
Explosive properties	Not explosive
Oxidizing properties	Not classified as oxidizing

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Not classified as reactivity hazard
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	Can react with strong oxidizing agents When heated to temperatures above 150°C (300°F) in the presence of air, trace quantities of formaldehyde may be released.
Conditions to avoid	None known
Incompatible materials	Oxidizing agents
Hazardous decomposition products	Formaldehyde

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information

LD50 oral rat	> 15,400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation	Not classified No skin irritation based on test data (rabbit)
Serious eye damage/eye irritation	Not classified No eye irritation based on test data (rabbit)
Skin sensitization	Not classified
Respiratory sensitization	Not classified

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Germ cell mutagenicity	Not classified Negative AMES test
Reproductive toxicity	Not classified No evidence or adverse effect on fertility or fetal development based on animal studies
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration toxicity	Not classified
Carcinogenicity	Not classified
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

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

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SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION
Domestic regulation

DOT: Not regulated for transport

International regulations

UNRTDG: not regulated as a dangerous good

IATA-DGR: not regulated as a dangerous good

IMDG-Code: not regulated as a dangerous good

SECTION 15: REGULATORY INFORMATION
CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ

EPA SARA TITLE III CHEMICAL LISTINGS

Section 302 extremely hazardous substances: None

Section 304 hazardous substances: None

Section 311/312 hazard class: no SARA hazards

Section 313 toxic chemicals: this material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, section 313

Pennsylvania Right to Know

Dimethyl siloxane, trimethylsiloxo-terminated CAS # 63148-62-9

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects

International regulations

TSCA	All ingredients included or exempt from listing
REACH	All ingredients pre-registered or exempt
KECL	All ingredients listed, exempt or notified
AICS	All ingredients listed or exempt

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IECSC	All ingredients listed or exempt
PICCS	All ingredients listed or exempt
DSL	All ingredients comply with the CEPA 1999 and NSNR and are on or exempt from listing
ENCS/ISHL	All ingredients listed or exempted from inventory listing
NZIoC	All ingredients listed or exempt

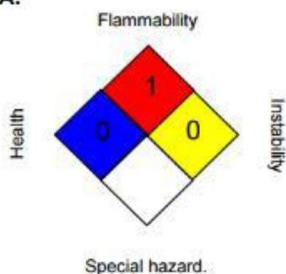
SECTION 16: OTHER INFORMATION

HMIS III:

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

NFPA:



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Disclaimer

The information provided in this Material Safety Data Sheet is accurate to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones which exist. Rize Inc. makes no warranties, express or implied, with respect to the use of such information and assumes no responsibility therefore.

End of material safety data sheet