

Safety Data Sheet

PRODUCT NAME: RELEASE ONE



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 | 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 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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| | |
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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, trimethylsiloxy-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 |

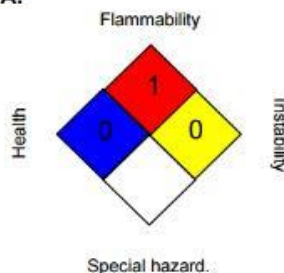
SECTION 16: OTHER INFORMATION

HMIS III:

| | |
|-----------------|---|
| HEALTH | 0 |
| FLAMMABILITY | 1 |
| PHYSICAL HAZARD | 0 |

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

NFPA:



Issue date

: 07/25/2016

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