

SAFETY DATA SHEET

Section 1 – Product And Company Identification

PRODUCT

PRODUCT NAME: 3115U UNI-GRIP
PRODUCT DESCRIPTION: Preparation/Mixture
PRODUCT USE: Additive for printing inks, paints and coatings to provide slip, mar and abrasion resistance properties.

MANUFACTURER INFORMATION

INNOVATIVE MANUFACTURING INC
 861 DERWENT WAY
 DELTA, BC, CANADA, V3M 5R4
 (604) 522-2811

EMERGENCY INFORMATION

INNOVATIVE MANUFACTURING CONTACT: 1-800-667-8246
24-HOUR EMERGENCY AND SDS HELP: CANUTEC: 613-966-6666

Section 2 – Hazards Identification

Classification of the substance or mixture

GHS Classification
 Not classified as hazardous.

Label elements

Hazard pictogram(s)
Signal word None
Hazard Statement: Not applicable
Precautionary Statements: Not applicable

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

Not applicable

Unknown acute toxicity 0% of the mixture consists of ingredients(s) of unknown toxicity

Section 3 – Composition/Information on Ingredients

| COMPONENTS | CAS No. | % BY WEIGHT |
|---------------------------|-----------|-------------|
| Polypropylene homopolymer | 9003-07-0 | 100 |

Section 4 – First Aid Measures

Description of First Aid Measures

General advice Get medical attention immediately if symptoms occur. Show this safety data sheet to the doctor in attendance. First responder needs to protect himself.

Eye Contact Immediately flush eyes with plenty of cool water for at least 20 minutes, occasionally lifting the eye lids to ensure thorough rinsing. Get medical attention if irritation persists.

Skin Contact If burned by hot wax, quench immediately with cold tap water. Dry burn area and loosely cover to protect against infection. Do not apply ointment or salves. Immediate medical attention is necessary. For skin irritation, wash skin with soap and water and use emollient skin cream.

Inhalation Treat as a nuisance dust. Remove victim to fresh air and provide oxygen if breathing is difficult. Immediate medical attention is not normally required. No delayed effects expected.

Ingestion Rinse mouth. If swallowed, do not induce vomiting. Get immediate medical attention.

Most important symptoms and effects, both acute and delayed

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|------------------------------------|---|
| Eye Contact | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes. Adverse symptoms may include irritation and redness. |
| Skin Contact | No known significant effects of critical hazards. No specific data regarding symptoms of overexposure. |
| Inhalation | Exposure to air borne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. Adverse symptoms may include respiratory tract irritation and coughing. |
| Ingestion | No known significant effects of critical hazards. No specific data regarding symptoms of overexposure. |
| Self-protection of the first aider | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
| Delayed symptoms | No effects known. |

Indication of any immediate medical attention and special treatment needed

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| Note to physicians | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
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Section 5 – Fire Fighting Measures**Extinguishing media**

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| Suitable extinguishing media | Use alcohol-resistant foam, dry chemical, or carbon dioxide or water fog |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |

Special hazards arising from the substance or mixture

Carbon oxides, Acrolein

Advice for firefighters

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| Special protective equipment for fire-fighters | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| Specific fire fighting methods. | Promptly isolate the scene by removing all persons from the vicinity of the incident. If there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
| Further information | Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Standard procedure for chemical fires. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |

Section 6 – Accidental Release Measures**Personal precautions, protective equipment, and emergency procedures**

Spilled material may cause a slipping hazard. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment. For additional information, refer to Section 8: Exposure Control & Personal Protection.

Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. For additional information, refer to Section 12: Disposal Considerations.

Methods and materials for containment and cleaning up

Contain spilled material if possible. Collect in suitable and properly labeled containers. For additional information, refer to Section 13: Disposal Considerations.

Section 7 – Handling and Storage**Precautions for safe handling**

No smoking, open flames or sources of ignition in handling and storage areas. Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with eyes. Wear appropriate personal protective equipment.

Conditions for safe storage, including any incompatibilities

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| Storage conditions | Keep container tightly closed in a dry and well-ventilated place. |
| Incompatible products | Strong oxidizing agents, chlorine, permanganates, e.g. potassium permanganate. |

Section 8 – Exposure Controls / Personal Protection**Control Parameters**

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| Exposure Guidelines | Contains no substances with occupational exposure limit values. |
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| Components | ACGIH TLV | OSHA PEL | NIOSH REL |
|------------|-----------|----------|-----------|
| | | | |

Appropriate engineering control

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| Engineering Controls | Showers Eyewash stations Ventilation systems |
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Individual protection measures, such as personal protective equipment

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| Eye protection | Chemical safety goggles. |
| Skin and body protection | Protective gloves. Personal protective equipment for the body should be selected based on the task being performed and the risk involved. |
| Respiratory protection | Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1(EN 143) dust mask. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or (EU). |

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

Section 9 – Physical and Chemical Properties

| | PRODUCT CRITERIA |
|--|-------------------|
| PHYSICAL STATE | Powder |
| APPEARANCE - COLOR | White |
| ODOR | Not applicable |
| ODOR THRESHOLD | No data available |
| PH | Not applicable |
| MELTING POINT/FREEZING POINT | 166°C (330°F) |
| INITIAL BOILING POINT AND BOILING RANGE | No data available |
| FLASH POINT | 227°C (530°F) |
| EVAPORATION RATE | No data available |
| FLAMMABILITY (solid, gas) | No data available |
| UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS | 232°C (450°F) TOC |
| VAPOR PRESSURE | Nil |
| VAPOR DENSITY (AIR=1) | Heavier than air |
| SPECIFIC GRAVITY (@25°C) | 0.90 |
| SOLUBILITY | Nil |
| AUTO IGNITION TEMPERATURE | No data available |

| | |
|---------------------------|-------------------|
| DECOMPOSITION TEMPERATURE | No data available |
| VISCOSITY | Not applicable |
| VOC CONTENT | Zero |

Section 10 – Stability and Reactivity

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| Reactivity: | No specific test data related to reactivity available for this product or its ingredients. |
| Chemical Stability: | The product is stable. |
| Possibility of Hazardous Reactions: | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to Avoid: | Do not heat above 399°C (750°F) for prolonged periods of time. |
| Incompatibility (Materials to Avoid): | Strong oxidizing agents, chlorine, permanganates, e.g. potassium permanganate. |
| Hazardous Decomposition Products: | Hydrogen, carbon monoxide, carbon dioxide. |

Section 11 – Toxicological Information

| GHS Required Criteria | Toxicity Criteria | Toxicity Information | Comments | Chemical Constituent |
|--|---|----------------------|----------|----------------------|
| Acute Toxicity | LD50 (Oral/Rat) | - | | |
| | LC50 (Inhalation/Rat male) | - | | |
| | LD50 (Dermal/Rabbit) | - | | |
| Skin Corrosion/Irritation | No data developed. Noe expected. | | | |
| Serious Eye Damage / Eye Irritation | No data developed. Treat as nuisance dust | | | |
| Respiratory or Skin Sensitization | No data developed. Treat as nuisance dust | | | |
| Germ Cell Mutagenicity | No data developed. | | | |
| Carcinogenicity | ACGIH | - | | |
| | IARC | - | | |
| | NTP | - | | |
| | OSHA | - | | |
| Reproductive Toxicity | Not classified | | | |
| STOT - Single Exposure | No data developed. Treat as nuisance dust | | | |
| STOT - Repeated Exposure | No data developed. Treat as nuisance dust | | | |
| Aspiration Hazard | No data developed. Aspiration is possible | | | |

Section 12 – Ecological Information

Ecotoxicity

ECOTOXICITY DATA

| Ecotoxicity | Chemical Name | |
|----------------------------|---------------|---|
| Toxicity to algae | ErC50 / 72 h | - |
| Toxicity to fish | LC 50 / 96 h | - |
| Toxicity to Daphnia | EC50 / 48 h | - |

Persistence and Degradability Not readily biodegradable.

Bioaccumulative potential

| Product/Ingredient Name | Log Pow | BCF | Potential |
|-------------------------|---------|-----|-----------|
| | | | |

Mobility in Soil No further relevant information available.

Results of PBT and vPvB assessment No further relevant information available.

Other Adverse Effects No further relevant information available.

Additional information No further relevant information available.

Section 13 – Disposal Considerations

Waste Disposal Assume conformity with applicable disposal regulations. Preferred method of disposal is in closed containers of sufficient strength to eliminate leakage at approved incineration or chemical landfill waste disposal site in accordance with local regulation. Sewage disposal is discouraged.

The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

Contaminated Materials Disposal must be made in accordance with local, state and federal regulations.

Container Disposal Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14 – Transportation Information

| | |
|-------------|---|
| DOT | Not Regulated as a hazardous material for transport |
| TDG | Not Regulated as a hazardous material for transport |
| IATA | Not Regulated as a hazardous material for transport |
| IMDG | Not Regulated as a hazardous material for transport |

Section 15 – Regulatory Information

Safety, Health and Environmental Regulations/Legislations Specific for the Chemical

Canada

WHMIS Classification: Not subject to WHMIS regulations.

US Federal Information

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|--|---------------|
| CERCLA Hazardous Substance List (40 CFR 302.4) | Not listed |
| OSHA Specifically Regulated Substances (29CFR 1910.1001-1050) | Not listed |
| SARA 304 Emergency Release Notification | Not regulated |
| TSCA Section 12(b) Export Notification (40 CFR 707, Subpt.D) | Not regulated |
| SARA Hazard Categories | |
| Immediate Hazard | Yes |
| Delayed Hazard | No |
| Fire Hazard | Yes |
| Pressure Hazard | No |
| Reactivity Hazard | No |
| SARA 302 Extremely Hazard Substance | Not listed |
| SARA 311/312 Hazardous Chemical | No |
| SARA 313 (TRI reporting) | Not regulated |

US state regulations

| | |
|---|---------------------------------------|
| US Massachusetts RTK - Substance List | Not regulated |
| US New Jersey Worker and Community Right-to-Know Act | 1-Propene, homopolymer CAS# 9003-07-0 |
| US Pennsylvania Worker and Community Right-to-Know Law | 1-Propene, homopolymer CAS# 9003-07-0 |
| US California Proposition 65 Carcinogens & Reproductive Toxicity (CRT): Listed substance | Not listed |

International Inventories

| Country | Inventory Name | On Inventory |
|----------------|---|---------------------|
| Canada | Domestic Substances List (DSL) | Yes |
| United States | Toxic Substances Control Act (TSCA) Inventory | Yes |

Section 16 – Other Information**HMIS Rating:**

| | |
|---------------------|---|
| Health | 0 |
| Flammability | 1 |
| Physical Hazard | 0 |
| Personal Protection | x |

NFPA Rating:

| | |
|--------------|---|
| Health | 0 |
| Flammability | 1 |
| Instability | 0 |
| Special | - |

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