

SAFETY DATA SHEET

Section 1: Identification

Product Name: Yuhwa Polypro, Grade 4018

Company: Vectornate USA Inc, 10 Industrial Ave, Suite 4, Mahwah, NJ, 07430

In an emergency call 911.

For information about this SDS, use this department contact phone#: +1 201 482 9835 or email to info@vectornate.com

Section 2: Hazard(s) Identification

See <https://www.sigmaaldrich.com/safety-center/globally-harmonized.html> for a list of hazard classifications, signal words, hazard statements, pictograms, precautionary statements, and a description of hazards.

Hazard Classification: This product is not classified under a globally harmonized system (GHS).



HMIS

Health Hazard	0
Fire Hazard	0
Reactivity	0

* NFPA: Health = 0, Flammability = 0, Reactivity = 0

* HMIS: Health = 0, Flammability = 0, Reactivity = 0

Hazard Statements: VN has a triple 0 rating for their solution in their UTM others give simple examples such as

- Skin Contact: *Irritant*
- Eye Contact : *irritant*

Pictograms:



Section 3: Composition/ Information on Ingredients

1. Chemical characterization: Polypropylene
2. Description: Mixture consisting of the following components.

Chemical Name	Synonym	CAS#	Conc.
1-Propene	Homopolymer, Propene Polymer, Polypropene.	9003-07-0	≥99%
Additive			≤1%

Section 4: First-Aid Measures

After skin contact: If molten materials come in contact with the skin, do not apply ice but cool under ice water.

After eye contact: Flush eyes thoroughly with water at full. If effects occur, consult a physician.

After inhalation: Move person to fresh air. If effects occur, consult a physician.

After ingestion: If swallowed seek medical attention.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Carbon dioxide fire extinguishers, Dry chemical fire extinguishers, Foam, Water fog or fine spray.

Specific hazards arising from the chemical : During a fire, smoke contain the original material in addition to combustion products of varying composition, which may be toxic or causing irritation.

Special protective equipment for firefighters and precautions for firefighter: Keep people away, Cool surroundings with water to localize the zone, Handheld dry chemical or CO₂ extinguisher which may be used for small fires

Section 6: Accidental Release Measures



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Personal precautions, Protective Equipment and Emergency Procedures: Isolate the hazard area, use appropriate safety equipment, Ensure adequate ventilation.

Measures for environmental protection: Prevent from entering the soil, ditch, sewers, waterways, or groundwater.

Measures for cleaning/collecting: Sweep Up and collect in suitable containers.

Section 7: Handling and Storage

Handling: No special measures required

Storage: Store in accordance with good manufacturing practice

Section 8: Exposure Controls/Personal Protection

Exposure limits in the air of the workplace, biological Limit values: Not applicable.

Appropriate Engineering controls: Good general ventilation should be adopted; Local exhaust ventilation may be necessary for some operations.

Individual Protection Measures:

Breathing equipment: N/A

Protection of hands: Disposable Rubber Gloves

Eye protection: Safety Glasses

Body protection: N/A

Section 9: Physical and Chemical Properties

Appearance: Pellet with white color or transparent colorless.

Odor: Odorless.

pH: N/A

Melting point/ Freezing point:

329°F/230°F

Boiling point/boiling range: N/A

Flash point: N/A

Evaporation rate: N/A

Flammability(Solid, Gas): N/A

Upper and Lower flammability or explosive limits: N/A

Vapor density: N/A

Specific gravity: 0.90~0.92

Partition coefficient n-octanol/water: N/A

Auto ignition temperature: 707°F / 752°F

Danger of explosion: No explosion hazard

Decomposition temperature: N/A

Viscosity: N/A

Molecular weight: >40000

Section 10: Stability and Reactivity

Reactivity: No further relevant information available.

Chemical stability: Thermal decomposition / conditions to be avoided:

Conditions to avoid: No further relevant information available.

Incompatible materials: strong oxidizers.

Hazardous decomposition products: No dangerous decomposition products known

Section 11: Toxicological Information

The product is not subject to OSHA classification according to internally approved. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Information on the likely routes of exposures:

Inhalation Exposure: Dust inhalation may cause cough

Ingestion Exposure: N/A

Skin and eye exposure: N/A

Delayed and immediately effects and chronic effects from short- and long-term exposure

Acute toxicity:

-LD50: >110gm/kg, Intraperitoneal (rat)

-LD50: >99gm/kg, Intravenous(rat)

Skin corrosion/irritation: N/A

Serious eye damage/irritation: N/A

Respiratory sensitization: N/A

Skin sensitization: N/A

Carcinogenicity: Not listed in IARC

Germ cell mutagenicity: Not listed in IARC

Reproductive toxicity: N/A

Specific target organ systemic toxicity-single exposure: N/A

Specific target organ systemic toxicity-repeated exposure: N/A

Aspiration Hazard: N/A

Numerical measure of toxicity(such as acute toxicity estimate): N/A



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Section 12: Ecological Information (non-mandatory)

Ecotoxicity: No further relevant information available.

Mobility: No further relevant information available.

Biodegradation: No further relevant information available.

Bioaccumulation: No further relevant information available.

Other Adverse effect: No further relevant information available.

Section 13: Disposal Considerations (non-mandatory)

1. This product is not considered a RCRA hazardous waste. Dispose of material in accordance with federal (40 CFR 261.3), state and local requirements. Smaller quantities can be disposed of with solid waste
2. Uncleaned packaging's:
 - a. Recommendation: Disposal must be made according to state and federal regulations.
 - b. Recommended cleansing agent: Water, if necessary, with cleansing agents

Section 14: Transport Information (non-mandatory)

DOT regulations:

- **Hazard class:** Data not available.
- **Land transport ADR/RID (cross-border):** Data not available.
- **ADR/RID class:** Data not available.
- **Maritime transport IMDG:** Data not available.

Air transport ICAO-TI and IATA-DGR:

- **ICAO/IATA Class:** Data not available.

Section 15: Regulatory Information (non-mandatory)

Safety, health and environmental regulations specific for the product in question

US Federal Regulations



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OAHS(29 CFR 1910): Not regulated.
CERCLA 103(40CFR302.4): Not regulated.
SARA 302(40CFR355.30): Not regulated.
SARA 304(40CFR355.40): Not regulated.
SARA 313(40CFR372.65): Not regulated.
California Proposition 65: Not regulated

EU Classification:

EU classification: Not determined.

Section 16: Other Information

Vectornate USA Inc provides the information in this document in good faith and believes the information to be accurate. The chemical, physical, and toxicological properties of this product have not been thoroughly investigated. It is the responsibility of the buyer to research and understand safe methods of handling, storing, and disposal of this product. Vectornate USA Inc makes no warranty with respect to such information and assumes no liability for any loss or injury, which may result from the use of this information. It is the buyer's responsibility to comply with local, state, and federal regulations concerning use and disposal of this product.

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