



SAFETY DATA SHEET

1. Identification

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| Product identifier | Nycon-PVA (Polyvinyl alcohol fiber) |
| Other means of identification | |
| SDS number | 2010 |
| Synonym(s) | RECS15, RECS100, RF4000, RFS400, RMS702, RSC15 |
| Recommended use | Concrete / Mortar reinforcement fibers |
| Recommended restrictions | None known |

Manufacturer/Importer/Supplier/Distributor information

Nycon Corporation
300 Ben Fairless Drive
Fairless Hills, PA 19030
USA
Emergency telephone : 1-800-456-9266
General Information : Phone: 1-215-310-2139
fax: 215-310-2138
E-mail : sales@nycon.com

2. Hazard(s) identification

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| Physical hazards | Not classified |
| Health hazards | Not classified |
| OSHA defined hazards | Combustible dust |
| Label elements | |
| Hazard symbol | None |
| Signal word | Warning |
| Hazard Statement | May form combustible dust concentrations in the air |
| Prevention | Not assigned |
| Response | Not assigned |
| Storage | Not assigned |
| Disposal | Dispose of or recycle in accordance with local and/or state laws |
| Hazard(s) not otherwise classified | N/A |

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|-------------------|--------------------------|------------|---------|
| Polyvinyl Alcohol | CH ₂ CHOH | 9002-89-5 | 95-99 % |
| Methyl Alcohol | CH ₃ OH | 67-56-1 | 0-1 % |
| | | | |
| | | | |

Composition comments

Polyvinyl alcohol is a water-soluble synthetic polymer.

4. First-aid Measures

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| | Inhalation | If exposed to excessive levels of dust or fumes, move to a fresh air environment and get medical attention if respiratory symptoms develop. |
| | Skin contact | With skin contact there should be no hazardous outcome however, if rash appears, rinse. |
| | Eye contact | Proceed to the eyewash station and rinse until product is removed from eye. |
| | Ingestion | If swallowed, do not induce vomiting, should vomiting occur naturally lean forward to prevent aspiration then rinse mouth. |
| Most important symptoms/effects, acute and delayed : | Inhalation | May cause shortness of breath, tightness of the chest, a sore throat, and cough |
| | Skin | May cause redness and or itching |
| | Eyes | May cause itching, burning, redness, and tearing |
| | Ingestion | With large amounts ingested may cause gastrointestinal blockage |
| Indication of immediate medical attention and special treatment needed | | Provide general supportive measures and treat symptomatically. |
| | General information | Ensure that employees are aware of the materials involved, and take precautions to protect themselves |

5. Fire-fighting measures

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| Suitable extinguishing media | Dry Chemical, Water Spray, Foam, Carbon Dioxide. Avoid using direct streams of water on molten burning material. |
| Unsuitable extinguishing media | Do not use a solid water stream as it may scatter and spread fire. |
| Specific hazards arising from the chemical | Carbon monoxide, carbon dioxide, original monomer other hydrocarbon oxidation |
| Special protective equipment and precautions for firefighting | Wear self-contained breathing apparatus and protective suit. |
| Fire-fighting equipment / instructions | Use standard firefighting procedures and consider the hazards of other involved material |

6. Accidental release measures

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| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Use personal protective equipment (PPE). |
| Methods and materials for containment and clean up | Land Spill: Spilled material should be swept up and discarded. Comply with applicable federal, state and local regulations. Water Spill: Notify local authorities if spilled in waterway or sewer. Skim from surface of water if possible. Waste Disposal: Reclaim where possible. Dispose of in accordance with local and state regulations. This is not an RCRA |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. |

7. Handling and storage

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| Precautions for safe handling | Keep away from sparks heat and flame. This product may react with strong oxidizing agents and should not be stored near such materials. Store boxes and bags of material in areas protected with automatic sprinklers. Use proper grounding procedures. Inspect handling system regularly for possible accumulation of fines. Fines can present an explosive hazard when exposed to |
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Conditions for safe storage, including and incompatibilities

Keep in tightly closed and dry containers. To maintain product quality, do not store in heat or direct sunlight. Keep from freezing. Routine housekeeping should be done to ensure that dust does not accumulate on surfaces.

8. Exposure controls/personal protection

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| Occupational exposure limits | No exposure limites noted for ingredient(s). |
| Biological limit values | No biological exposure imilts noted for the ingredient(s). |
| Appropriate engineering controls | Provide mechanical ventilation; in general such ventilation should be provided at compounding/converting areas and at fabricating/ filling work stations where the material is heated. Local exhaust ventilation should be used over and in the vicinity of machinery involved in handling the molten material. |

Individual protection measures, such as personal protective equipment

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| Eye/face protection | Wear safety glasses in compliance with OSHA regulations |
| Hand protection | Wear clean, long-sleeved, body-covering clothing. |
| Other | N/A |
| Respiratory protection | If handling at elevated temperatures and overexposure has been determined, an air-respirator is advised in the absence of proper environmental control. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary |
| General hygiene consideration | Wash hands before breaks and immediately after handling product |

9. Physical and chemical properties

Appearance

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|---|---------------------|
| Physical state | Solid |
| Form | Fibers |
| Color | Various white color |
| Odor | Slight to none |
| Odor theshold | Not available |
| pH | Not available |
| Melting point/freezing point | 200°C (392°F) |
| Initial boiling point and boiling range | Not available |
| Flash point | >200°C (392°F) |
| Evaporation rate | Not available |
| Flammability (solid, gas) | Not available |

Upper/lower flammability or explosive limits

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|------------------------------|---------------------|
| Flammability limit - lower % | Not available |
| Flammability limit - lower % | Not available |
| Explosive limit - lower % | Not available |
| Explosive limit - upper % | Not available |
| Vapor pressure/density | Not available |
| Specific gravity | 1.31 (g/cm3 @ 23°C) |

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|--|---------------------------------|
| Relative density | 1.27 (g/cm ³ @ 23°C) |
| Solubility(ies) | Insoluble in water |
| Partiton coefficient (n-octanol/water) | Not available |
| Auto-ignition temperature | >440 °C |
| Decompostion temperature | >200 °C |
| Viscosity | Not available |

10. Stability and reactivity

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| Reactivity | Strong oxidizing agents |
| Chemical stability | Material is stable under normal conditions |
| Possibility of hazardous reactions | No Dangourous reactions known under conditions of normal use |
| Conditions to avoid | Minimize dust generation. Avoid heat, sparks, open flames and other ignition sources |
| Incompatible materials | Strong oxidizing agents |
| Hazardous decomposition products | Small quantities of low molecular weight hydrocarbons, alcohols, aldehydes (incl. Formaldehyde), carboxylic acids, carbon oxides and ketones can be formed during thermal processing |

11. Toxicological infomation

Information on likely routed of exposure

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| Ingestion | Ingestion is not likely route of exposeure. if ingested seek medical attention |
| Inhalation | Remove person to fresh air. If irritation develops obtain medical attention. |
| Skin contact | If irritation develops, flush with running water. Wash affected area with soap and water |
| Eye contact | If irritation develops do not scrach or rub, flush with running water for 10-15 minutes. |
| Symptoms related to the Physical, chemical and toxicological characteristics | See information on likely routes of exposure. |

Information on toxicological effects

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| Acute toxicity | Due to this material's high molecular weight, this material is considered to be little to no toxicological concern |
| Skin corrosion/irritation | Not available |
| Serious eye damage/eye irritation | Not available |
| Respiratory sensitization | Not available |
| Skin sensation | Not available |
| Germ cell mutagenicity | Not available |
| Carcinogenicity | International Agency for Research on Cancer (IARC): Group3 - NOT classifiable as to its carcinogenicity to humans. |
| Reproductive toxicity | Not available |
| Specific target organ toxicity single exposure | Not available |
| Specific target organ toxicity repeat exposure | Not available |

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| Aspiration hazard | Not likely, due to the form of the product |
| Chronic effects | None Known |
| Further information | Exposure to powder or dust may be irritating to eyes, nose and throat. |

12. Ecological information

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|-------------------------------|-----------------------------------|
| Ecotoxicity | No known or expected ecotoxicity. |
| Persistence and degradability | Not available |
| Bioaccumulative potential | Not bioaccumulative |
| Mobility in soil | Not available |
| Other adverse effects | Not available |

13. Disposal considerations

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| Disposal instructions | Dispose in accordance with all applicable regulations |
| Waste from residue / unused product | Empty containers or liners may retain so product residues. this material and its container must be disposed of in a safe manner |
| Contaminated packaging | Empty containers should be taken to an approved waste handling site for recycling |

14. Transport information

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|------|---------------|
| DOT | Not regulated |
| IATA | Not regulated |
| IMDG | Not regulated |

15. Regulatory information

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| US Federal Regulations | This Material is not Hazardous by OSHA Hazardous Communication Standard 29 CFR 1910.1200 |
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Superfund Amendments and Reauthorization Act of 1986 (SARA) (Y/N)

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| Hazard categories : Immediate Hazard | No |
| Delayed hazard | No |
| Fire hazard | Yes |
| Pressure hazard | No |
| Reactivity hazard | No |
| SARA 302 Extremely hazardous substance | No |
| SARA 311/312 Hazardous Chemical | Yes |

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory requirements.

US state regulations

California Proposition 65

WARNING: This product can expose you to Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



California Proposition 65 - CRT: Listed date/Developmental toxin

Methanol (CAS 67-56-1) Listed: March 16, 2012

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a)) Methanol (CAS 67-56-1)

Issue Date: Jan. 04, 2018

Origin Date: 04-Jan-2016

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16. Other information, including date of preparation or last revision

Issue date

Revision date

Version #

Further information

HMIS ratings : (Scale)

Health Flammability Physical hazard

NFPA ratings : (Scale)

Health Flammability Instability

List of abbreviations :

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