



Material Safety Data Sheets

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1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product: PP NATURAL PELLETS

Product Code: AVPP200

Effective Date: 12/16/02

Date Printed: 11/05/03

MSD: C40010

Aaron Industries Corp., Leominster, MA 01453

2. COMPOSITION/INFORMATION ON INGREDIENTS

Polypropylene

CAS# 25085534

> 100%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

* Caution! Generally recognized as a low potential industrial hazard. Inhalation of vapors from thermal processing may cause irritation to the upper respiratory tract.

POTENTIAL HEALTH EFFECTS (See Section 11 for toxicological data).

EYE: Transient irritation from contact with pellets. Possible irritation from decomposition and processing fumes. Thermal burns from molten material.

SKIN: Thermal burns from molten material.

INGESTION: Product in marketed form is inert.

INHALATION: Prolonged or repeated exposure fro, thermal processing may cause irritation to the upper respiratory tract.

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SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: Additives are encapsulated in the product and are not expected to be released under normal processing conditions or foreseeable emergency.

CANCER INFORMATION: No relevant information found.

TERATOLOGY (BIRTH DEFECTS): No relevant information found.

REPRODUCTIVE EFFECTS: No relevant information found.

4. FIRST AID

EYE: Flush immediately with plenty of cool water for at least 15 minutes. Call a physician.

SKIN: For thermal burns, immediately flush with plenty of cold water. If possible, submerge affected area in cold water. Call a physician.

INGESTION: Product in its marketed form is inert. No special first aid procedures are necessary.

INHALATION: For overexposure to heated resins, remove from exposure. If breathing is difficult, or has stopped, administer artificial respiration (mouth-to-mouth) or oxygen as indicated. Call a physician.

NOTE TO PHYSICIAN: NONE

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: Not applicable

METHOD USED: Not applicable

FLAMMABILITY LIMITS

LFL: Not applicable

UFL: Not applicable

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EXTINGUISHING MEDIA: Use water spray, carbon dioxide or dry chemical s to extinguish fire.

FIRE FIGHTING INSTRUCTIONS: Polypropylene is a slow burning plastic that emits a dense black smoke. Firefighters should wear self-contained breathing apparatus and protective clothing when fighting fires of this type.

UNUSUAL FIRE & EXPLOSION HAZARDS: Combustion products may be hazardous.

KNOWN OR ANTICIPATED HAZARDOUS PRODUCTS OF COMBUSTION: Combustion products may include carbon dioxide, carbon monoxide and acrid smoke and fumes.

6. **ACCIDENTAL RELEASE MEASURES AND METHODS FOR CLEANUP:** (See Section 15 for Regulatory Information)

PROTECT PEOPLE: Pellets or beads may present a slipping hazard.

PROTECT THE ENVIRONMENT: Spills should be collected to prevent contamination of waterways.

CLEAN UP: Sweep up

7. **HANDLING AND STORAGE**

HANDLING: avoid excessive breathing of vapors, fumes and smoke which may be released during thermal processing.

STORAGE: Store in cool, dry area.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

VENTILATION REQUIREMENTS: Local exhaust ventilation should be used to control the emission of air contaminants.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: Wear chemical safety goggles/glasses to prevent eye contact. A face shield should be used when appropriate to prevent contact with molten product.

SKIN: When necessary, garments for protection against hot materials should be used to prevent skin contact with molten product.

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RESPIRATORY PROTECTION: Respiratory protection approved by NIOSH/MSHA for protection against organic vapors and dusts/mists should be used to avoid inhalation of excessive air contaminants.

PROTECTIVE CLOTHING/EQUIPMENT: Emergency eye wash stations should be available in the work area. General dilution ventilation may assist with the reduction of air contamination concentrations.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE: Opaque whitish pellets (natural resin) or flake.

ODOR: Odorless

EVAPORATION RATE: Not applicable

FREEZING POINT: Not Applicable

BOILING POINT: Not applicable

MELTING POINT: 160-170°C (softening)

WATER/OIL DISTRIBUTION COEFFICIENT: NA

SPECIFIC GRAVITY OR DENSITY: 0.90 – 0.91 (@ 25°C)

PHYSICAL STATE: Solid

VAPOR DENSITY: NA

VAPOR PRESSURE: Negligible

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: None known

INCOMPATIBILITY WITH OTHER MATERIALS: Potassium permanganate, liquid chlorine, fuming nitric acid and other strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, organic oxidation products, acrid smoke and fumes.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGY INFORMATION

Polypropylene has been tested in laboratory rats by subcutaneous implantation of discs or powder. Local sarcomas were induced at the site of implantation. No epidemiological studies or case reports suggest any serious chronic health hazards from long-term exposure to polypropylene decomposition products below the irritation level.

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12. ECOLOGICAL INFORMATION

No ecological data is currently available.

13. DISPOSAL CONSIDERATIONS (See Section 15 for Regulatory Information)

DISPOSAL: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

AARON INDUSTRIES HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THE MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONKY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION 2 (Composition/Information On Ingredients).

14. TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (D.O.T.): This product is not regulated by D.O.T. when shipped domestically by land.

CANADIAN TDG INFORMATION: This product is not regulated by TDG when shipped domestically by land.

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15. REGULATORY INFORMATION (not meant to be all-inclusive—selected regulations represented)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change or may differ from one location to another: it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state, or provincial and local laws and regulations. See other sections for health and safety information.

U.S. REGULATIONS

SARA 313 INFORMATION: To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to met the following categories:

Not to have net any hazard category

TOXIC SUBSTANCES CONTROL ACT (TSCA):

All ingredients are on the TSCA inventory, or are not required to be listed on the TSCA inventory.

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OTHER INFORMATION: If you require additional information regarding any legal or regulatory requirements referred to in this MSDS, we suggest that you consult with an appropriate regulatory agency, or with a professional with expertise in this area.

STATE RIGHT-TO-KNOW: The following product components are cited on certain state lists as mentioned. Non-listed components may be shown in the composition section of the MSDS.

OSHA HAZARD COMMUNICATION STANDARD:

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CANADIAN REGULATIONS

WHMIS INFORMATION: The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification for this product is:

This product is not a "Controlled Product" under WHMIS.