

## SAFETY DATA SHEET

# CERANOVUS® PN SERIES POLYPROPYLENE ADDITIVES

## **SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

1.1 Product Identifier

Product Name: Ceranovus PN Series Polypropylene Additives

Product Grades: PN55

1.2 Product Use Description

Various: Polymer and asphalt additive, process aid, etc.

1.3 Supplier Details

Supplier: GreenMantra Technologies

81 Elgin Street,

Brantford, ON N3S 5A1, Canada

For more information call: + 1.888.519.2015

(Monday-Friday, 9:00am-5:00pm)

1.4 Emergency Telephone

+ 1.888.519.2015 x 105 Number (24 hr/day, 7 days/week)

#### **SECTION 2 - HAZARDS IDENTIFICATION**

#### 2.1 Classification of the substance or mixture

WHMIS 2015: Combustible dust

**EC Classification:** Not classified as dangerous under EC criteria

2.2 Label Elements

Signal Word: Warning

Hazard Statements: May form combustible dust concentrations in air

Precautionary Statements: Prevention (Use personal protective equipment as required)

2.3 Other Hazards

Carcinogenicity: No component of these products are present at levels

greater than or equal to 0.1% is identified as a known or

anticipated carcinogen by NTP, IARC or OSHA



# **SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

#### 3.1 Substances

No hazardous ingredients as identified by the Canadian Hazardous Products Bill (BILL C70) or by OSHA 29 CFR 1910.1200.

## Component

Chemical Nature: Substance

Chemical Family: Hydrocarbon mixture: Formula (C<sub>2</sub>H<sub>4</sub>)x

CAS Number: 9003-07-0

EINECS Number: Not applicable (polymer)

#### **SECTION 4 - FIRST AID MEASURES**

## 4.1 Description of First Aid Measures

**INHALATION:** If breathing is difficult, remove individual to fresh air and keep at rest in a position comfortable for breathing. If symptoms continue, get medical attention.

**SKIN:** Exposure to fumes, vapors or smoke of thermally degraded product can result in irritation to skin. Direct contact of the molten material will cause injury and burns. For burns apply running water to injured area for 15 minutes. Do not peel solidified product off the skin. Get medical attention.

**EYE CONTACT:** If dust or molten material contacts the eye, immediately flush eyes with generous amounts of water for at least 15 minutes. Administer prompt first aid measures. Get medical attention if irritation develops or persists.

**INGESTION:** Unlikely route of exposure. If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention if symptoms continue.

## 4.2 Important Symptoms and Effects, both Acute and Delayed

Refer to Section 11 - Toxicological Information

#### 4.3 Immediate Medical Attention Indicators and Special Treatment

**Notes to physician:** Treat symptomatically. Burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from the skin is not necessary



#### **SECTION 5 - FIREFIGHTING MEASURES**

# 5.1 Extinguishing Media

Suitable Extinguishing Media: Water mist, foam, dry chemical, CO2

Unsuitable Extinguishing Media: Water spray

**5.2 Special Hazards** 

**Hazardous** Carbon dioxide, carbon monoxide and other products such

**combustion products:** as acids, aldehydes and ketones, depending on conditions

of oxidation.

## **5.3 Special Firefighting Procedures**

This product will float on water, so avoid water spray if possible

- Use water to keep containers cool

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

## 6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

Personal Precautions: Do not walk through spilled material. Do not breathe

dust/vapor. Avoid contact with skin and eyes. Wear appropriate personal protective equipment, avoid direct

contact

**Emergency Procedures:** Contain spill and monitor for excessive dust/vapor

accumulation. Avoid unnecessary personnel and equipment traffic in the spill area. Ventilate closed spaces before

entering

#### **6.2 Environmental Precautions**

Keep material out of sewers and watercourses by diking or

impounding



## 6.3 Methods and Material for Containment and Cleanup

Containment/Cleanup: Handle as a thermoplastic

**Measures:** – Recover and place into appropriate containers for recycling or disposal, according to prevailing local,

state, and federal laws

Refer to Section 8 – Exposure Controls/ Personal

Protection

- Refer to Section 13 - Disposal Considerations

## **SECTION 7 - HANDLING AND STORAGE**

#### 7.1 Precautions for safe handling

Handling:

- Avoid contact with molten material; do not breathe fumes, vapors, dust, or sprays from molten or burning material.
- Do not use in areas without adequate ventilation.
   Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres
- Use appropriate Personal Protective Equipment (PPE).
   Avoid contact with skin and eyes. Wash thoroughly with soap and water after handling

## 7.2 Conditions for Safe Storage

Storage:

- Keep container closed and in ventilated area, away from ignition sources, heat, open flames, and direct sunlight
- When kept in molten state, inert gas blanketing may be used to avoid material degradation



# **SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### **8.1 Personal Protective Equipment**

Respiratory: At elevated temperatures, well above the melting point,

organic vapors can be generated, and material should be handled using appropriate ventilation and respiratory

equipment

Eye/Face: Wear safety goggles

Hands: Wear thermally resistant gloves and long sleeves when

handling molten product

Skin/Body: Wear long sleeves and/or protective coveralls

Feet: Wear splash-resistant shoes

# **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

# 9.1 Information on Physical and Chemical Properties

Appearance	Odor	Physical state	рН
White to Black*	Product specific	Solid @25°C	Not applicable
Vapor pressure	Density **	Solubility in Water	Solubility in Organic
(mm Hg)	0.80 to 0.97	Negligible	Solvents
<0.01 @25°C	g/cm3 @25°C		Soluble
UEL	LEL	Auto Ignition	TDG Flammability
Not available	Not available	Not available	Not dangerous
Boiling Point/Range	Evaporation Rate	Partition Coefficient	Viscosity @190°C**
Not available	Not available	Not available	60 to 200 cPs



<b>Product Number in PN Series</b>	Flash Point (°C) ASTM D92 ***	
PN55	>222	
<b>Product Number in PN Series</b>	Melting Point (°C) ***	
PN55	>150	
Product Number in PN Series	Decomposition Temperature (°C)***	
PN55	>300	

- \* Color will vary from white to black depending on the specific grade
- \*\* Will vary depending on the specific product grade
- \*\*\* Values are based on an average result of multiple tested samples

## **SECTION 10 - STABILITY AND REACTIVITY**

STABILITY: Stable

INCOMPATIBLE MATERIALS: Unreactive; avoid contact with strong oxidizing agents,

peroxides and chlorines

## **Hazardous combustion products**

Carbon dioxide, carbon monoxide and other products such as acids, aldehydes and ketones, depending on conditions of oxidation.

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

CARCINOGENICITY CLASSIFICATION		ROUTE OF ENTRY	
IARC Not listed	ACGIH Not listed	Skin contact X	Inhalation acute X
	Not listed		
OSHA Not listed		Skin absorption	Inhalation acute X
NTP Not listed		Eye contact	Ingestion

## Effects of acute exposure to material

Fumes have been reported to be irritating to the respiratory tract. Molten product will cause thermal burns on contact with the skin.



# Effects of chronic exposure to material

In rats, chronic ingestion has shown accumulation in target organs (liver, spleen) with associated nonspecific immune response.

# **SECTION 12 - ECOLOGICAL INFORMATION**

Material is not considered harmful to the environment. Nevertheless, material from spills and other generated waste must be disposed of properly in conformance with all local, state and federal laws.

## **SECTION 13 - DISPOSAL CONSIDERATION**

This material is not an RCRA hazardous waste material. Follow local regulatory laws for proper disposal.

## **SECTION 14 - TRANSPORTATION INFORMATION**

DOT proper shipping name Not regulated
DOT hazardous classification Not applicable
DOT Haz. Mat table 172.101 Not listed
DOT appendix to sec. 172.101 Not listed

DOT labels required None

DOT placards required – None for solid product

None for molten product shipped under 212°F/100°C.

Hot molten product shipped over 212°F/100°C requires a

class 9 "HOT" placard

- Bill of lading must carry the statement:

- Elevated temperature material, liquid, N.O.S. 9, UN3257,

III (WAX).

TDG classification Not controlled under TDG (Canada).

Sea-IMDG (International Maritime Dangerous Goods): Class not regulated

Air-ICAO (International Civil Aviation Organization): Class not regulated



#### **SECTION 15 - REGULATORY INFORMATION**

# 15.1 Chemical Inventory

Canada: The ingredients of this product are on or in compliance with

DSL.

United States: The ingredients of this product are on or in compliance with

TSCA inventory

Australia: The ingredients of this product are on or in compliance with the

Industrial Chemical (Notification and Assessment) Act

The ingredients of this product are on or in compliance with the Japan:

Kashin-Hou Law List

The ingredients of this product are on or in compliance with the Korea:

Toxic Chemical Control Law (TCCL) List

Philippines: The ingredients of this product are on or in compliance with the

Toxic Substances and Hazardous and Nuclear waste Control Act

China: The ingredients of this product are on or in compliance with the

Inventory Of Existing Chemical Substances.

New Zealand: The ingredients of this product are on or in compliance with the

Inventory Of Chemicals (NZIoC) as published by ERMA New

Zealand.

#### 15.2 National Regulatory Information

EPA Hazard Categories (SARA None

311, 312):

WHMIS Classification: Not Rated

In compliance. No reportable substances California Prop 65:

CONEG: These products are in compliance with the heavy metals

> requirements of the Coalition of North Eastern Governors and the California Toxics in Packaging Prevention Act (AB2021)

CERCLA: In the event of a spill the end user should verify whether

reporting is required under local, state, province or federal

regulations

Ozone Depleting Substances: None reportable in compliance with 40 (US) CFR 82

European Hazardous

Does not contain reportable REACH SVHC. In compliance with Chemicals:

1272/2008/EC, 2011/65/EC (RoHS), 2012/19/EU (WEEE). These polymers are not hazardous according to EC Directives.



#### **SECTION 16 - OTHER INFORMATION**

#### 16.1 Disclaimer

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