



PROTECT WITH  
**CONFIDENCE**

### 1. Product and Company Identification

Product Name: Raven 200

Raven Lining Systems  
13105 East 61st Street, Suite A  
Broken Arrow, OK 74012

[www.ravenlining.com](http://www.ravenlining.com)

Company Phone: (918) 615-0020  
Company Toll Free: (800) 324-2810

CHEMTREC 24 hour Emergency USA: (800) 424-9300  
CHEMTREC 24 hour International: (703) 527-3887

Product Use: Primer / Sealer / Coating / Lining  
Not recommended for: Non Professional Use

### 2. Hazards Identification

**Signal Word:**

**GHS Ratings:**

**GHS Hazards**

**GHS Precautions**

There are no GHS ratings that apply to this product at this time.

Medical Conditions Aggravated by Exposure: The condition of individuals with lung disease (e.g. bronchitis, emphysema, chronic obstructive pulmonary disease, etc...) can be aggravated by exposure.

Chronic Effects

According to the hypothesis of Stanton-Pott, it is reported that there is a possibility of causing cancer when ultra-fine fibers below 0.25µm in diameter and below 8µm in length are absorbed into the lung. When observed with the electronic microscope, the diameter of this material is above 1µm, and the average length is over 100µm; since these values are higher than those provided by this hypothesis, this material is not anticipated to cause cancer by this mechanism.

### 3. Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Polyolefin	9002-88-4	

### 4. First Aid Measures

Inhalation: Remove to fresh air if effects occur. Consult a physician.

Eye Contact: Flush with large quantities of water for at least 15 minutes. Consult a physician.

Skin Contact: Wash thoroughly with soap and flowing water.

Effects are believed to occur from swallowing a small amount. Seek medical attention if

if a large amount is swallowed.

Notes to Physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

## 5. Fire Fighting Measures

Flash Point: >199 C (>390 F)

Flammable Properties: Product is not considered a fire hazard, but may burn if ignited.

Suitable Extinguishing Media: Carbon dioxide, dry chemical, water fog or fine spray.

Unusual Fire & Explosion Hazards: As with many solids, any dust that is generated may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

Products of Combustion: Thermal decomposition in the presence of air at temperatures exceeding 550 deg F may yield carbon monoxide, carbon dioxide, formaldehyde, acrolein and other unidentified toxic and/or irritating compounds.

Fire Fighting: Stay upwind and keep people away. Isolate fire and deny unnecessary entry. Keep out of low areas where gases (fumes) can accumulate. Water may be applied in large quantities as a fine spray. Use water spray to cool fire-exposed containers and fire-affected zone until fire is out. Fire water run-off is not expected to cause environmental damage. Review section 6 and section 12 of this SDS.

Protection of Firefighters: Wear positive pressure self-contained breathing apparatus (SCBA) and approved standard protective clothing (helmet, coat, trousers, boots and gloves) when fighting all indoor fires and any significant outdoor fires.

## 6. Accidental Release Measures

Personal Precautions: Put on appropriate personal protective equipment (see section 8).

Environmental Precautions: Prevent spilled material from contact with soil, drains and sewers.

Methods for Containment: Not applicable as material is a solid powder.

Methods for Clean-up: Use non-sparking tools to sweep up and containerize for reclamation or place into labeled waste container for disposal.

## 7. Handling and Storage

Handling: Wear appropriate personal protective equipment (see section 8). Avoid contact with skin, eyes or clothing. Do not breathe dust as respirable crystalline silica can cause silicosis, a fibrosis (scarring) of the lungs. Do not ingest. Avoid prolonged or repeated contact with skin. May cause mechanical skin irritation. Wash thoroughly with soap and water after handling. Do not handle or store near flame, heat or strong oxidants. Keep away from sources of ignition and hot metal surfaces.

Storage: Store original unopened containers in a sheltered area between 60°F and 80°F (15°C and 27°C) at atmospheric pressure. Do not store in direct sunlight. Keep containers closed when not in use.

## 8. Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Polyolefin 9002-88-4	Not Established	Not Established	Not Established

Engineering Controls: General mechanical ventilation is sufficient for most conditions. Control airborne levels below the exposure guidelines, if established.

Local exhaust ventilation may be necessary for some operations.

General Hygiene Considerations: Wash thoroughly after handling and before eating, drinking or smoking.

Eye/face Protection: Use dust tight eye goggles.

Skin Protection: Protective gloves are not required, but may be used to prevent skin dryness or irritation. If potential for skin contact is present, wear long-sleeved, body covering clothing and rubber boots.

Respiratory Protection: If exposure may or does exceed occupational exposure limits, or if respiratory irritation is experienced, use a properly fitted MSHA/NIOSH approved respirator fitted with an appropriate particle filter. Do not exceed the working limits of the respirator.

Contaminated Gear: Remove contaminated clothing and shoes while washing. Wash clothing before reuse.

## 9. Physical and Chemical Properties

<p><b>Appearance</b> Standard color is white</p> <p><b>Odor Threshold</b> No data found</p> <p><b>pH</b> No data found</p> <p><b>Boiling Point</b> No data found</p> <p><b>Flash Point</b> 390 F, 199 C</p> <p><b>Flammability (solid, gas)</b> No data found</p> <p><b>Vapor Pressure</b> No data found</p> <p><b>Specific Gravity</b> 0.9 - 1.2</p> <p><b>Partition Coefficient (n-octanol/water)</b> No data found</p> <p><b>Viscosity</b> No data found</p>	<p><b>Odor</b> Mild</p> <p><b>Physical State</b> Solid Powder</p> <p><b>Melting/Freezing Point</b> No data found</p> <p><b>Boiling Range</b> No data found</p> <p><b>Evaporation Rate</b> No data found</p> <p><b>LEL/UEL</b> No data found</p> <p><b>Vapor Density</b> No data found</p> <p><b>Solubility in Water</b> No data found</p> <p><b>Decomposition Temperature</b> No data found</p> <p><b>Lbs VOC/Gallon Less Water</b> 0.0</p>
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## 10. Stability and Reactivity

**Chemical Stability:** Stable under recommended storage conditions (see Section 7).

**Conditions to Avoid:** Avoid creating dust.

**Incompatibility:** Material tends to decompose in the presence of strong acids and bases. Excessive heat should be avoided, as product starts to emit decomposition gases at about 400 deg F. Fumes increase until decomposition and oxidative pyrolysis takes place around 550 deg F.

**Products of Combustion:** Thermal decomposition in the presence of air at temperatures exceeding 550 deg F may yield carbon monoxide, carbon dioxide, formaldehyde, acrolein and other unidentified toxic and/or irritating compounds.

Hazardous polymerization will not occur.

## 11. Toxicological Information

**Mixture Toxicity**

**Component Toxicity**

**Likely Routes of Exposure:**

**No data found**

**Target Organs**

May cause damage to the following organs:

**No data found**

**Effects of Overexposure**

CAS Number

None

Description

% Weight

Carcinogen Rating

No data found

## 12. Ecological Information

**Component Ecotoxicity**

## 13. Disposal Considerations

**Waste Disposal Methods:** Product is not considered to be a RCRA hazardous waste as referenced in 40CFR 261.24 or 261.3. Dispose of in accordance with federal, state and local regulations. The preferred method for disposal of uncontaminated product is by recycling or reclaiming.

## 14. Transport Information

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Not Regulated			
ICAO/IATA	Not Regulated			
IMDG	Not Regulated			
TDG	Not Regulated			

## 15. Regulatory Information

USA Federal: This SDS has been prepared in compliance with the Occupational Safety and Health Act (OSHA) Hazard Communication Standard (29 CFR 1910.1200). This product is not considered to be a hazardous chemical under that standard. The specific chemical identity and/or exact percentage of any proprietary ingredient(s) may be withheld as a trade secret, pursuant to the standard.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986): To the best of our knowledge, this product contains the following chemicals which are known to the State of California to cause cancer or reproductive toxicity at levels which require warning under this statute:

- None

Massachusetts Right to Know: To the best of our knowledge, this product contains the following chemicals at levels which require reporting under this statute:

- None

New Jersey Right to Know: To the best of our knowledge, this product contains the following chemicals at levels which require reporting under this statute:

- None

Pennsylvania Right to Know: To the best of our knowledge, this product contains the following chemicals at levels which require reporting under this statute:

- None

USA Resource Conservation and Recovery Act (40 CFR 261): To the best of our knowledge, this product contains the following chemicals at levels which require reporting under this statute:

- None

USA Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) - section 302 Extremely Hazardous Substances Reportable Quantities (RQs): To the best of our knowledge, this product contains the following chemicals at levels which require reporting under this statute:

- None

USA Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) - section 302 Extremely Hazardous Substances Threshold Planning Quantities (TPQs): To the best of our knowledge, this product contains the following chemicals at levels which require reporting under this statute:

- None

USA Toxic Substances Control Act (TSCA) - section 12(b): To the best of our knowledge, this product contains the following chemicals above the de minimus concentration(s) which requires notification to the Environmental Protection Agency (EPA) per 40 CFR 707, subpart D, if any person intends to export:

- None

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Canada Domestic Substance List	Yes
Canada	Canada Non-Domestic Substances List (NDSL)	No
China	China Inventory of Existing Chemical Substances	Yes
EU	EU REACH List of Registered Intermediates	No

EU	EU REACH List of Pre-Registered Substances	Yes
EU	EU REACH List of Registered Substances	No
Japan	Japanese Existing and New Chemical Substances List	Yes
South Korea	South Korea Existing Chemicals Inventory	Yes
Philippines	Philippines Inventory of Chemicals and Chemical	Yes
USA	USA TSCA Inventory list section 8(b)	Yes

- None

## 16. Other Information

### Legend

ACGIH	American Conference of Governmental Industrial Hygienists, Inc.
ADR/RID	European Agreement for transport of dangerous goods by road (ADR) and by rail (RID)
CAS No.	Chemical Abstract Service Registry Number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act, AKA "Superfund"
DOT	Department of Transportation (USA)
HCS	OSHA Hazard Communication Standard (29 CFR 1910.1200)
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMO	International Maritime Organization
IMDG	International Maritime Dangerous Goods
MSHA	Mine Safety and Health Administration
N.A.	Not Applicable
N.D.	Not Determined
N.E.	Not Established
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration (USA)
PEL	Permissible Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986 (40 CFR)
STEL	Short Term Exposure Limit (15 minute Time Weighted Average)
TDG	Canada Transport of Dangerous Goods regulations
TLV	Threshold Limit Value
TWA	Time Weighted Average
WHMIS	Canada Workplace Hazardous Materials Information System

### Hazardous Material Information System (HMIS)

HEALTH	<input type="text" value="0"/>
FLAMMABILITY	<input type="text" value="1"/>
PHYSICAL HAZARD	<input type="text" value="0"/>
PERSONAL PROTECTION	<input type="text"/>

#### HMIS & NFPA Hazard Rating Legend

\* = Chronic Health Hazard

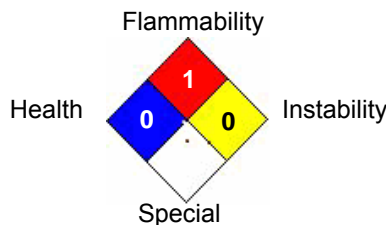
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

### National Fire Protection Association (NFPA)



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Reviewer Revision

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