

## **Section 1-Chemical Product and Company Identification**

### **Company Information:**

**PremierRepak Inc.**  
8351 W. 185<sup>th</sup> Street  
Tinley Park, IL 60487

**Phone:** (708) 444-2688  
**Fax:** (708) 429-4280

**InfoTrac 24-hour Emergency Phone Number:** 1 (800) 535-5053

**InfoTrac Contract Number:** 105384

### **Product Information:**

**Generic Description:** Silicone elastomer  
**Recommended use:** Adhesive, binding agents  
**Substance:** Mixture

## **Section 2-Hazard Identification**

**GHS Classification:** Not a hazardous substance or mixture.

**GHS Label element:** Not a hazardous substance or mixture.

### **Precautionary Statements: Prevention:**

**P271:** Use only outdoors or in a well-ventilated area.

**Other hazards:** None known.

## **Section 3-Composition and Information on Ingredients**

### **Hazardous Ingredients:**

<b>Common Name</b>	<b>C.A.S. No.</b>	<b>Wt. %</b>
Silicon dioxide	7631-86-9	>= 5 - < 10
Distillates (petroleum), hydro treated middle	64742-46-7	>= 5 - < 10
Titanium dioxide	13463-67-7	>= 1 - < 5
Aluminum	7429-90-5	>= 1 - < 5
Carbon Black	1333-86-4	>= 0.1 - < 1

## **Section 4 – First Aid Measures**

**If inhaled:** Remove to fresh air. Get medical attention if symptoms occur.

**In case of skin contact:** Wash with water and soap as a precaution. Get medical attention if symptoms occur.

**In case of eye contact:** Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.

**If swallowed:** If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

**Most important symptoms and effects, both acute and delayed:** None known.

**Protection of first-aiders:** No special precautions are necessary for first aid responders.

**Notes to physician:** Treat symptomatically and supportively.

## **Section 5- Firefighting Measures**

**Suitable extinguishing media:** Water spray, Alcohol-resistant foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>)

**Unsuitable extinguishing media:** None known.

**Specific hazards during firefighting:** Exposure to combustion products may be a hazard to health.

**Hazardous combustion products:** Carbon oxides, Silicon oxides, Formaldehyde, Metal Oxides

**Specific extinguishing methods:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

**Special protective equipment for fire fighters:** Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

## **Section 6 – Accidental Release Measures**

### **Personal precautions, protective equipment and emergency procedures:**

Follow safe handling advice and personal protective equipment recommendations.

### **Environmental precautions:**

Discharge into the environment must be avoided.  
Prevent further leakage or spillage if safe to do so.  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.

### **Methods and materials for containment and cleaning up:**

Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered

material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

### **Section 7- Handling and Storage**

**Technical measures:** See Engineering measures under **Section 8** Exposure Controls and Personal Protection.

**Local/Total ventilation:** Use only with adequate ventilation.

**Advice on safe handling:** Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.

**Conditions for safe storage:** Keep in properly labeled containers. Store in accordance with the particular national regulations.

**Materials to avoid:** Do not store with the following product types: strong oxidizing agents

### **Section 8- Exposure Controls and Personal Protection**

#### **Component Exposure Limits:**

<b>Common Name</b>	<b>C.A.S. No.</b>	<b>Value type (Form of exposure)</b>	<b>Control parameters Permissible Conc.</b>	<b>Basis</b>
Silicon dioxide	7631-86-9	TWA (Dust)	20 Million particles per cubic foot. (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m <sup>3</sup> / %SiO <sub>2</sub> (Silica)	OSHA Z-3
		TWA	6 mg/m <sup>3</sup> (Silica)	NIOSH REL
Distillates (petroleum) Hydro-treated, middle	64742-46-7	TWA (Mist)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Mist)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (Mist)	5 mg/m <sup>3</sup>	NIOSH REL
		ST (Mist)	10 mg/m <sup>3</sup>	NIOSH REL
Titanium dioxide	13463-67-7	TWA (Total Dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA	10 mg/m <sup>3</sup>	ACGIH
Aluminum	7429-90-5	TWA (Respirable)	5 mg/m <sup>3</sup>	NIOSH REL
		TWA (Total)	10 mg/m <sup>3</sup>	NIOSH REL
		TWA (Total Dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Respirable Fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Pryo Powders)	5 mg/m <sup>3</sup>	NIOSH REL

## PR2206 HIGH TEMPERATURE RED SEALANT ACETOXY Safety Data Sheet

		TWA (Respirable Fraction)	1 mg/m3	ACGIH
Carbon Black	1333-86-4	TWA	3.5 mg/m3	NIOSH REL
		TWA	3.5 mg/m3	OSHA Z-1
		TWA (Inhalable Fraction)	3 mg/m3	ACGIH

### Engineering measures:

Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations. Dust formulation may be relevant in the processing of this product. In addition to substance-specific OELs, general limitations of concentrations of particulates in the air at workplace risk assessment. Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m3 - total dust, 5 mg/m3 - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m3 - respirable particles, 10 mg/m3 - inhalable particles.

### Personal protective equipment:

**Respiratory protection:** General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

**Hand protection:** Remarks: Wash hands before breaks and at the end of workday.

**Eye protection:** Wear the following personal protective equipment: Safety glasses.

**Skin and body protection:** Skin should be washed after contact.

**Hygiene measures:** Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

### **Section 9- Physical/Chemical Characteristics**

**Odor:** Acetic acid odor

**Odor Threshold:** No data available

**Specific Gravity @ 25°C:** 1.007

**Freezing/Melting Point:** Not determined.

**Boiling Point:** Not determined.

**Vapor Pressure:** Not applicable.

**Vapor Density:** No data available.  
**Solubility in Water:** No data available.  
**pH:** Not applicable.  
**Volatile Content:** Not determined.  
**Flash Point:** > 100 °C (Closed cup)  
**Auto ignition Temperature:** No data available.  
**Flammability (solid, gas):** Not classified as a flammability hazard  
**Evaporation rate:** Not applicable  
**Upper explosion limit:** No data available  
**Lower explosion limit:** No data available  
**Partition coefficient:** noctanol/water: No data available  
**Decomposition temperature:** No data available  
**Viscosity, dynamic:** Not applicable  
**Explosive properties:** Not explosive  
**Oxidizing properties:** The substance or mixture is not classified as oxidizing.  
**Molecular weight:** No data available  
**Relative Density:** 1.007

## **Section 10- Stability and Reactivity**

**Reactivity:** Not classified as a reactivity hazard.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. Acetic acid is formed upon contact with water or humid air. When heated to temperatures above 150 °C (300 °F) in the presence of air, trace quantities of formaldehyde may be released. Adequate ventilation is required. See OSHA formaldehyde standard, 29 CFR 1910.1048. Hazardous decomposition products will be formed at elevated temperatures.

**Conditions to avoid:** None known.

**Incompatible materials:** Oxidizing agents

**Hazardous decomposition products:** Thermal decomposition: Formaldehyde

## **Section 11– Toxicological Information**

### **Information on likely routes of exposure:**

Skin contact  
Ingestion  
Eye contact

### **Acute toxicity:**

Not classified based on available information.

**Product:** Acute inhalation toxicity : Acute toxicity estimate: > 10 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

**Ingredients:**

**Silicon dioxide:**

**Oral:**

**Acute toxicity:** LD50 (Rat): > 3,300 mg/kg

**Assessment:** The substance or mixture has no acute oral toxicity

**Remarks:** Information taken from reference works and the literature.

**Inhalation:**

**Acute toxicity:** LC50 (Rat): > 2.08 mg/l

**Exposure time:** 4 h

**Test atmosphere:** dust/mist

**Assessment:** The substance or mixture has no acute inhalation toxicity

**Remarks:** Information taken from reference works and the literature.

**Dermal:**

**Acute toxicity:** LD50 (Rabbit): > 5,000 mg/kg

**Assessment:** The substance or mixture has no acute dermal toxicity

**Remarks:** Information taken from reference works and the literature.

**Distillates (petroleum), hydro treated middle:**

**Oral: Acute toxicity:** LD50 (Rat): > 5,000 mg/kg

**Inhalation:**

**Acute toxicity:** LC50 (Rat): 1.78 mg/l

**Exposure time:** 4 h

**Test atmosphere:** dust/mist

**Dermal: Acute toxicity:** LD50 (Rat): > 2,000 mg/kg

**Titanium Dioxide:**

**Oral: Acute toxicity:** LD50 (Rat): > 5,000 mg/kg

**Inhalation:**

**Acute toxicity:** LC50 (Rat): >6.82 mg/l

**Exposure time:** 4 h

**Test atmosphere:** dust/mist

**Assessment:** The substance or mixture has no acute inhalation toxicity.

**Aluminum:**

**Oral: Acute toxicity:** LD50 (Rat): > 5,000 mg/kg

**Method:** OECD Test Guideline 401

**Remarks:** Based on data from similar materials

**Inhalation:**

**Acute toxicity:** LC50 (Rat): >0.888 mg/l

**Exposure time:** 4 h

**Test atmosphere:** dust/mist

**Method:** OECD Test Guideline 403

**PR2206  
HIGH TEMPERATURE  
RED SEALANT ACETOXY  
Safety Data Sheet**

**Assessment:** The substance or mixture has no acute inhalation toxicity.

**Carbon Black:**

**Oral: Acute toxicity:** LD50 (Rat): > 5,000 mg/kg

**Inhalation:**

**Acute toxicity:** LC50 (Rat): >0.0046 mg/l

**Exposure time:** 4 h

**Test atmosphere:** dust/mist

**Assessment:** The substance or mixture has no acute inhalation toxicity.

**Skin corrosion/irritation:**

Not classified based on available information.

**Ingredients:**

**Silicon dioxide:**

**Result:** No skin irritation

**Remarks:** Information taken from reference works and the literature.

**Titanium Dioxide:**

**Species:** Rabbit

**Result:** No skin irritation

**Aluminum:**

**Species:** Rabbit

**Result:** No skin irritation

**Remarks:** Based on data from similar materials

**Method:** OECD Test Guideline 404

**Carbon Black:**

**Species:** Rabbit

**Result:** No skin irritation

**Serious eye damage/eye irritation:**

Not classified based on available information.

**Ingredients:**

**Silicon dioxide:**

**Result:** No eye irritation

**Remarks:** Information taken from reference works and the literature.

**Titanium Dioxide:**

**Species:** Rabbit

**Result:** No eye irritation

**Aluminum:**

**Species:** Rabbit

**Result:** No eye irritation

**Remarks:** Based on data from similar materials

**Carbon Black:**

**Species:** Rabbit

**Result:** No eye irritation

**Respiratory or skin sensitization:**

**Skin sensitization:** Not classified based on available information.

**Respiratory sensitization:** Not classified based on available information.

**Ingredients:**

**Silicon dioxide:**

**Assessment:** Does not cause skin sensitization.

**Test Type:** Skin: test type not specified

**Species:** Guinea pig

**Remarks:** No known sensitizing effect.

Information taken from reference works and the literature.

**Titanium dioxide:**

**Test Type:** Local lymph node assay (LLNA)

**Routes of exposure:** Skin contact

**Species:** Mouse

**Result:** negative

**Aluminum:**

**Routes of exposure:** Skin contact

**Species:** Guinea pig

**Result:** negative

**Remarks:** Based on data from similar materials

**Carbon black:**

**Test Type:** Buehler Test

**Routes of exposure:** Skin contact

**Species:** Guinea pig

**Method:** OECD Test Guideline 406

**Result:** negative

**Germ cell mutagenicity:**

Not classified based on available information.

**Ingredients:**

**Silicon dioxide:**

**Genotoxicity in vitro:** Result: negative

Remarks: Information taken from reference works and the literature.

**Genotoxicity in vivo:** Application Route: Ingestion Result: negative

Remarks: Information taken from reference works and the literature.

**Germ cell mutagenicity:**

Assessment: Animal testing did not show any mutagenic effects.



**Titanium dioxide:**

**Genotoxicity in vitro:**

Test Type: Bacterial reverse mutation assay (AMES)

Result: negative

**Genotoxicity in vivo:**

Test Type: In vivo micronucleus test

Species: Mouse

Result: negative

**Aluminum:**

**Genotoxicity in vitro:**

Test Type: In vitro mammalian cell gene mutation test

Method: OECD Test Guideline 476

Result: negative

**Genotoxicity in vivo:**

Test Type: In vivo micronucleus test

Species: Rat

Application Route: Ingestion

Method: OECD Test Guideline 474

Result: negative

Remarks: Based on data from similar materials

**Carbon black:**

**Genotoxicity in vitro:**

Test Type: Bacterial reverse mutation assay (AMES)

Result: negative

**Carcinogenicity:**

Not classified based on available information.

**Ingredients:**

**Titanium Dioxide:**

**Species:** Rat

**Application Route:** inhalation (dust/mist/fume)

**Exposure time:** 24 Months

**Method:** OECD Test Guideline 453

**Result:** positive

**Remarks:** The mechanism or mode of action may not be relevant in humans. The substance is inextricably bound in the product and therefore does not contribute to a dust inhalation hazard.

**Carcinogenicity Assessment:** limited evidence of carcinogenicity in inhalation studies with animals.

**Aluminum:**

**Species:** Rat

**Application Route:** inhalation (dust/mist/fume)

**Exposure time:** 86 weeks

**Result:** negative

**Carbon black:****Species:** Rat**Application Route:** inhalation (dust/mist/fume)**Exposure time:** 2 years**Result:** positive**Target Organs:** Lungs**Remarks:** The substance is inextricably bound in the product and therefore does not contribute to a dust inhalation**Carcinogenicity Assessment:** sufficient evidence of carcinogenicity in inhalation studies with animals.**IARC:** Group 2B: Possibly carcinogenic to humans

<u>Common Name</u>	<u>C.A.S. No</u>
Titanium dioxide	13463-67-7
Carbon black	1333-86-4

**OSHA:** OSHA identifies no ingredient of this product present at levels greater than or equal to 0.1% as a carcinogen or potential carcinogen.**NTP:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.**Reproductive toxicity:**

Not classified based on available information.

**Ingredients:****Aluminum:****Effects on fertility:****Test Type:** Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test**Species:** Rat**Application Route:** Ingestion**Method:** OECD Test Guideline 422**Result:** negative**Remarks:** Based on data from similar materials**Effects on fetal development:****Test Type:** Embryo-fetal development**Species:** Mouse**Application Route:** Ingestion**Result:** negative**STOT-single exposure:**

Not classified based on available information.

**STOT-repeated exposure:**

Not classified based on available information.

**Ingredients:**

**Carbon black:**

**Routes of exposure:** inhalation (dust/mist/fume)

**Assessment:** No significant health effects observed in animals at concentrations of 0.2 mg/l/6h/d or less.

**Repeated dose toxicity:**

**Ingredients:**

**Titanium dioxide:**

**Species:** Rat

**NOAEL:** 24,000 mg/kg

**Application Route:** Ingestion

**Exposure time:** 28 d

**Species:** Rat

**NOAEL:** 10 mg/m<sup>3</sup>

**Application Route:** inhalation (dust/mist/fume)

**Exposure time:** 2 years

**Remarks:** The substance is inextricably bound in the product and therefore does not contribute to a dust inhalation hazard.

**Carbon black:**

**Species:** Rat

**NOAEL:** 1 mg/m<sup>3</sup>

**LOAEL:** 7 mg/m<sup>3</sup>

**Application Route:** Inhalation

**Test atmosphere:** dust/mist

**Exposure time:** 90 days

**Remarks:** The substance is inextricably bound in the product and therefore does not contribute to a dust inhalation hazard

**Aspiration toxicity:**

Not classified based on available information.

**Ingredients:**

**Distillates (petroleum), hydro treated middle:**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

**Section 12 – Ecological Information**

**Ecotoxicity:**

**Ingredients:**

**Titanium dioxide:**

**Toxicity to fish:**

LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

**Toxicity to daphnia and other aquatic invertebrates:**

EC50 (Daphnia magna (Water flea)): > 100 mg/l

**PR2206  
HIGH TEMPERATURE  
RED SEALANT ACETOXY  
Safety Data Sheet**

Exposure time: 48 h

**Toxicity to algae:**

EC50: (*Skeletonema costatum* (marine diatom)) > 10,000 mg/l

Exposure time: 72 h

**Toxicity to bacteria:** EC50 > 1,000 mg/l

Exposure time: 3 h

Method: OECD Test Guideline 209

**Aluminum:**

**Toxicity to fish:**

LC50 (*Oncorhynchus mykiss* (rainbow trout)): 14.6 mg/l

Exposure time: 96 h

**Toxicity to daphnia and other aquatic invertebrates:**

EC50 (*Daphnia magna* (Water flea)): > 0.135 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Remarks: No toxicity at the limit of solubility.

**Toxicity to algae:**

EC50 (*Pseudokirchneriella subcapitata* (green algae)) > 0.004 g/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Remarks: No toxicity at the limit of solubility

**Toxicity to fish (Chronic toxicity):**

NOEC (*Pimephales promelas* (fathead minnow)): 7.1 mg/l

Exposure time: 28 d

**Carbon black:**

**Toxicity to fish:**

LC0 (*Danio rerio* (zebra fish)): 1,000 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

**Toxicity to daphnia and other aquatic invertebrates:**

EC50 (*Daphnia magna* (Water flea)) > 5,600 mg/l

Exposure time: 24 h

Method: OECD Test Guideline 202

**Toxicity to algae:**

NOEC: (*Desmodesmus subspicatus* (green algae)): 10,000 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

**Section 13 – Disposal Considerations**

**Disposal methods:**

**Resource Conservation and Recovery Act (RCRA):** This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.

**Waste from residues:** Dispose of in accordance with local regulations.

**Contaminated packaging:** Dispose of as unused product. Empty containers should be taken to an approved waste-handling site for recycling or disposal.

### **Section 14 – Transport Information**

#### **International Regulation:**

**UNRTDG:** Not regulated as a dangerous good

**IATA-DGR:** Not regulated as a dangerous good

**IMDG-Code:** Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:**  
Not applicable for product as supplied.

#### **Domestic regulation:**

**49 CFR:** Not regulated as a dangerous

### **Section 15- Hazard Classification**

#### **EPCRA - Emergency Planning and Community Right-to-Know**

#### **CERCLA Reportable Quantity:**

<b><u>Component Name</u></b>	<b><u>CAS Number</u></b>	<b><u>Component RQ (lbs)</u></b>	<b><u>Calculated product RQ(lbs)</u></b>
Acetic acid	64-19-7	5000	*
Acetic anhydride	108-24-7	5000	*

\* Calculated RQ exceeds reasonably attainable upper limit.

#### **SARA 304 Extremely Hazardous Substances Reportable Quantity:**

This material does not contain any components with a section 304 EHS RQ

**SARA 311/312 Hazards:** No SARA Hazards

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### **US State Regulations:**

##### **California:**

Warning: This product does **not** contain the following chemical(s) listed by the State of

## PR2206 HIGH TEMPERATURE RED SEALANT ACETOXY Safety Data Sheet

California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

### State Right-To-Know:

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>	<u>State</u>
70131-67-8	70-90	Dimethyl siloxane, hydroxy-terminated	New Jersey, Pennsylvania
1333-86-4	1-5	Carbon Black	New Jersey
7631-86-9	5-10	Silicon dioxide	New Jersey, Pennsylvania
64742-46-7	5-10	Hydro treated middle petroleum distillates	New Jersey, Pennsylvania
164-19-7	0-0.1	Acetic Acid	Pennsylvania
108-24-7	0-0.1	Acetic Anhydride	Pennsylvania
1332-37-2	1-5	Iron Oxide	New Jersey, Pennsylvania
7429-90-5	1-5	Aluminum	New Jersey, Pennsylvania
13463-67-7	1-5	Titanium Dioxide	New Jersey, Pennsylvania

### The ingredients of this product are reported in the following inventories:

**AICS:** All ingredients listed or exempt.

**IECSC:** All ingredients listed or exempt.

**PICCS:** All ingredients listed or exempt.

**DSL:** All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

**REACH:** All ingredients (pre-)registered or exempt.

**TSCA:** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### Inventories:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), NECSI (Taiwan), TSCA (USA)

### **Section 16 – Other Information**

#### Further information:

#### **NFPA:**

#### **HMIS III:**

Flammability: 1  
Health: 1  
Instability: 0  
Special hazard: None

Flammability: 1  
Health: 1  
Physical Hazard: 0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

### **Full text of other abbreviations:**

**ACGIH:** USA. ACGIH Threshold Limit Values (TLV)  
**NIOSH REL:** USA. NIOSH Recommended Exposure Limits.  
**OSHA P0:** USA. OSHA - TABLE Z-1 Limits for Air Contaminants -1910.1000  
**OSHA Z-1:** USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants.  
**OSHA Z-3:** USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts  
**ACGIH / TWA:** 8-hour, time-weighted average  
**NIOSH REL / TWA:** Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek  
**NIOSH REL / ST:** STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday  
**OSHA P0 / TWA:** 8-hour time weighted average  
**OSHA Z-1 / TWA:** 8-hour time weighted average  
**OSHA Z-3 / TWA:** 8-hour time weighted average

### **Sources of key data used to compile the Safety Data Sheet:**

Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

**Prepared by:** PremierRepak, Inc.

<http://premierrepak.com/>

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.