

# LP READYPEAK™ INTEGRATED ROOFING SAFETY DATA SHEET

## SECTION 1. IDENTIFICATION

### GHS PRODUCT IDENTIFIER:

LP ReadyPeak™ Integrated Roofing

### PRODUCT CODE:

Not available

### OTHER MEANS OF IDENTIFICATION:

IR

Integrated roofing

Shed roofing

### PRODUCT TYPE:

Solid. This product, under the normal conditions of use, meets the definition of an “ARTICLE.”

Release from article is neither intended nor promoted by use conditions.

### RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

#### Product Use:

Shed roofing

#### Area Of Application:

Consumer applications, Industrial applications.

#### Supplier/Manufacturer:

Louisiana-Pacific Corporation

414 Union Street, Suite 2000

Nashville, TN 37219

United States

www.lpcorp.com

Telephone: 877-744-5600

#### Emergency Telephone Number (With Hours Of Operation):

Manufacturer: 615-986-5600 (8-5 PM (CST))

## SECTION 2. HAZARDS IDENTIFICATION

This product, under the normal conditions of use, meets the definition of an “ARTICLE.” The substance or mixture is **encapsulated** in the article. Only if released due to use or processing of the article in a manner not in accordance with the product’s directions for use it may present potential health and safety hazards.

### OSHA/HCS STATUS:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

COMBUSTIBLE DUSTS

H334 RESPIRATORY SENSITIZATION - Category 1

H350 CARCINOGENICITY - Category 1A



## SECTION 2. HAZARDS IDENTIFICATION (CONTINUED)

### GHS LABEL ELEMENTS:

#### Hazard Pictograms:



#### Signal Word:

Danger

#### Hazard Statements:

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H350 - May cause cancer.

May form combustible dust concentrations in air

### PRECAUTIONARY STATEMENTS:

#### Prevention:

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P280 - Wear protective gloves, protective clothing and eye or face protection.

P284 - Wear respiratory protection.

P261 - Avoid breathing dust or mist.

#### Response:

P308 + P313 - If exposed or concerned: Get medical advice or attention.

P304 + P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.

P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

#### Storage:

P405 - Store locked up

#### Disposal:

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

#### Supplemental Label Elements:

Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.

#### Hazards Not Otherwise Classified:

None known

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### SUBSTANCE/MIXTURE:

Mixture

### OTHER MEANS OF IDENTIFICATION:

iR

Integrated roofing

Shed roofing



INGREDIENT NAME	OTHER NAMES	%	CAS NUMBER
Wood and wood dust	-	≥90	-
Formaldehyde, oligomeric reaction products with phenol	-	<1	9016-87-9
Aluminium sulphate	-	<1	14808-60-7

The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.**

## SECTION 4. FIRST AID MEASURES

**This product, under the normal conditions of use, meets the definition of an "ARTICLE." Avoid inhalation of dust from sanding. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.**

### DESCRIPTION OF NECESSARY FIRST AID MEASURES:

#### Eye Contact:

Not hazardous in solid form. If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released. No known significant effects or critical hazards.

#### Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. In the event of any complaints or symptoms, avoid further exposure.

#### Skin Contact:

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

#### Ingestion:

Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

## SECTION 4. FIRST AID MEASURES (CONTINUED)

### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

#### POTENTIAL ACUTE HEALTH EFFECTS:

##### Eye Contact:

Not hazardous in solid form. If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released. No known significant effects or critical hazards.

##### Inhalation:

Not hazardous in solid form. If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

##### Skin Contact:

No known significant effects or critical hazards.

##### Ingestion:

No known significant effects or critical hazards.

#### OVER-EXPOSURE SIGNS/SYMPTOMS:

##### Eye Contact:

Not hazardous in solid form. If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released. No specific data.

##### Inhalation:

Not hazardous in solid form. If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

##### Skin Contact:

No specific data

##### Ingestion:

No specific data

#### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

##### Notes to Physician:

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

##### Specific Treatments:

No specific treatment

##### Protection of First-Aiders:

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## SECTION 5. FIRE-FIGHTING MEASURES

This product, under the normal conditions of use, meets the definition of an “ARTICLE.” The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product’s directions for use it may present potential health and safety hazards.

### EXTINGUISHING MEDIA:

#### Suitable Extinguishing Media:

Use dry chemical powder. In case of fire, use water, dry chemical powder or carbon dioxide. Use an extinguisher rated for a Type A fire.

#### Unsuitable Extinguishing Media:

Do not use water jet

#### Specific Hazards Arising From the Chemical:

May form explosible dust-air mixture if dispersed

#### Hazardous Thermal Decomposition Products:

Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, aldehyde, cyanide

#### Special Protective Actions for Firefighters:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

#### Special Protective Equipment for Firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

#### Remark:

Airborne concentrations of combustible dust, when combined with an ignition source, can create an explosion hazard if the dust concentration exceeds 30 - 60 g/m<sup>3</sup>.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

This product, under the normal conditions of use, meets the definition of an “ARTICLE.” Avoid inhalation of dust from sanding. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product’s directions for use it may present potential health and safety hazards.

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

#### For Non-Emergency Personnel:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

#### For Emergency Responders:

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in “For non-emergency personnel.”



## SECTION 6. ACCIDENTAL RELEASE MEASURES (CONTINUED)

### Environmental Precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

#### Small Spill:

Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

#### Large Spill:

Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## SECTION 7. HANDLING AND STORAGE

**This product, under the normal conditions of use, meets the definition of an “ARTICLE.” Avoid inhalation of dust from sanding. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product’s directions for use it may present potential health and safety hazards.**

### PRECAUTIONS FOR SAFE HANDLING:

#### Protective Measures:

Put on appropriate personal protective equipment (see Section 8). Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Avoid exposure—obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

#### Advice on General Occupational Hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## SECTION 7. HANDLING AND STORAGE (CONTINUED)

### Conditions for Safe Storage, Including Any Incompatibilities:

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### CONTROL PARAMETERS:

#### Occupational Exposure Limits:

INGREDIENT NAME	EXPOSURE LIMITS
Wood and wood dust	<b>ACGIH TLV (United States)</b> TWA: 1 mg/m <sup>3</sup> Form: Inhalable <b>NIOSH REL (United States)</b> TWA: 1 mg/m <sup>3</sup> Form: Inhalable <b>OSHA PEL (United States)</b> TWA: 5 mg/m <sup>3</sup> Form: Respirable dust TWA: 15 mg/m <sup>3</sup> Form: Total dust
Isocyanic acid, polymethylenepolyphenylene ester	None
Crystalline silica, respirable powder	<b>OSHA PEL Z3 (United States, 6/2016).</b> TWA: 250 mppcf / (%SiO <sub>2</sub> +5) 8 hours. Form: Respirable TWA: 10 mg/m <sup>3</sup> / (%SiO <sub>2</sub> +2) 8 hours. Form: Respirable <b>OSHA PEL (United States, 5/2018).</b> TWA: 50 µg/m <sup>3</sup> 8 hours. Form: Respirable dust <b>ACGIH TLV (United States, 1/2021).</b> TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction <b>NIOSH REL (United States, 10/2020).</b> TWA: 0.05 mg/m <sup>3</sup> 10 hours. Form: respirable dust

### Appropriate Engineering Controls:

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### Environmental Exposure Controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

### INDIVIDUAL PROTECTION MEASURES:

#### Hygiene Measures:

Not hazardous in solid form. If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released. Wash hands thoroughly after handling. (continued)

#### Eye/Face Protection:

Safety eyewear should be used when there is a likelihood of exposure.

### SKIN PROTECTION:

#### Hand Protection:

Wear suitable gloves.

#### Body Protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

#### Other Skin Protection:

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### RESPIRATORY PROTECTION:

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### APPEARANCE:

#### Physical State:

Solid [Massive solid. (Plank)]

#### Color:

Various

#### ODOR:

Odorless

#### ODOR THRESHOLD:

Not available

#### PH:

Not applicable

#### MELTING POINT:

Not available.



## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES (CONTINUED)

### **BOILING POINT, INITIAL BOILING POINT, AND BOILING RANGE:**

Not applicable

### **FLASH POINT:**

Not applicable

### **EVAPORATION RATE:**

Not applicable

### **FLAMMABILITY:**

May be combustible.

### **LOWER AND UPPER EXPLOSION LIMIT/FLAMMABILITY LIMIT:**

Not applicable

### **VAPOR PRESSURE:**

Not applicable

### **RELATIVE VAPOR DENSITY:**

Not applicable

### **RELATIVE DENSITY:**

Not available

### **DENSITY:**

Not available

### **SOLUBILITY:**

Insoluble in the following materials: cold water and hot water

### **PARTITION COEFFICIENT: NOCTANOL/WATER:**

Not applicable

### **AUTO-IGNITION TEMPERATURE:**

Not applicable

### **DECOMPOSITION TEMPERATURE:**

Not available.

### **SADT:**

Not available

### **VISCOSITY:**

Not applicable

### **FLOW TIME (ISO 2431):**

Not available

### **PARTICLE CHARACTERISTICS:**

#### **Median Particle Size:**

Not available

### **ADDITIONAL INFORMATION:**

#### **Physical/Chemical Properties Comments:**

No additional information



## SECTION 10. STABILITY AND REACTIVITY

### REACTIVITY:

No specific test data related to reactivity available for this product or its ingredients

### CHEMICAL STABILITY:

The product is stable

### POSSIBILITY OF HAZARDOUS REACTIONS:

Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerization will not occur.

### CONDITIONS TO AVOID:

Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.

### INCOMPATIBLE MATERIALS:

Reactive or incompatible with the following materials: oxidizing materials

### HAZARDOUS DECOMPOSITION PRODUCTS:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11. TOXICOLOGICAL INFORMATION

### INFORMATION ON TOXICOLOGICAL EFFECTS:

#### Acute Toxicity:

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE
Isocyanic acid, polymethylenepolyphenylene ester	LC50 Inhalation Dusts and mists	Rat	490 mg/m <sup>3</sup>	4hours
	LD50 Dermal	Rabbit	>9400 mg/kg	-
	LD50 Oral	Rat	49 g/kg	-

#### Conclusion/Summary:

Cured product. The substances in this article are not intended to be released.

#### Irritation/Corrosion:

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION
Isocyanic acid, polymethylenepolyphenylene ester	Eyes - Mild irritant	Rabbit	-	100 mg	-

## SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

### SENSITIZATION:

Not available

### CONCLUSION/SUMMARY:

#### Skin:

Cured product. The substances in this article are not intended to be released.

#### Respiratory:

Cured product. The substances in this article are not intended to be released.

### MUTAGENICITY:

#### Conclusion/Summary:

Not available

### CARCINOGENICITY:

#### Conclusion/Summary:

Cured product. The substances in this article are not intended to be released.

### CLASSIFICATION:

PRODUCT/INGREDIENT NAME	OSHA	IARC	NTP
Wood and wood dust	-	1	Known to be a human carcinogen
Isocyanic acid, polymethylenepolyphenylene ester	-	3	-
Crystalline silica, respirable powder	-	1	Known to be a human carcinogen

### REPRODUCTIVE TOXICITY:

#### Conclusion/Summary:

Not available

### TERATOGENICITY:

#### Conclusion/Summary:

Not available

## SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

### SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):

NAME	CATEGORY	ROUTE OF EXPOSURE	TARGET ORGANS
Isocyanic acid, polymethylenepolyphenylene ester	Category 3	-	Respiratory tract irritation

### SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE):

NAME	CATEGORY	ROUTE OF EXPOSURE	TARGET ORGANS
Isocyanic acid, polymethylenepolyphenylene ester	Category 2	Inhalation	Lungs
Crystalline silica, respirable powder	Category 1	Inhalation	Lungs

### ASPIRATION HAZARD:

Not available

### INFORMATION ON THE LIKELY ROUTES OF EXPOSURE:

Not hazardous in solid form. If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released. Routes of entry anticipated: Oral, Dermal, Inhalation.

### POTENTIAL ACUTE HEALTH EFFECTS:

#### Eye Contact:

Not hazardous in solid form. If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released. No known significant effects or critical hazards.

#### Inhalation:

Not hazardous in solid form. If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### Skin Contact:

No known significant effects or critical hazards

#### Ingestion:

No known significant effects or critical hazards

### SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

#### Eye Contact:

Not hazardous in solid form. If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released. No specific data.



## SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

### Inhalation:

Adverse symptoms may include the following: respiratory tract irritation, coughing, wheezing and breathing difficulties, asthma

### Skin Contact:

No specific data

### Ingestion:

No specific data

## DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT- AND LONG-TERM EXPOSURE:

### SHORT-TERM EXPOSURE:

#### Potential Immediate Effects:

Not available

#### Potential Delayed Effects:

Not available

### LONG-TERM EXPOSURE:

#### Potential Immediate Effects:

Not available

#### Potential Delayed Effects:

Not available

## POTENTIAL CHRONIC HEALTH EFFECTS:

### Conclusion/Summary:

Not hazardous in solid form. If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released.

### General:

Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

### Carcinogenicity:

May cause cancer. Risk of cancer depends on duration and level of exposure.

### Mutagenicity:

No known significant effects or critical hazards

### Reproductive Toxicity:

No known significant effects or critical hazards

## NUMERICAL MEASURES OF TOXICITY:

### Acute Toxicity Estimates:

PRODUCT/INGREDIENT NAME	ORAL (MG/ KG)	DERMAL (MG/KG)	INHALATION (GASES) (PPM)	INHALATION (VAPORS) (MG/L)	INHALATION (DUSTS AND MISTS) (MG/ L)
Isocyanic acid, polymethylenepolyphenylene ester	490000	N/A	N/A	N/A	0.49



## SECTION 12. ECOLOGICAL INFORMATION

### TOXICITY:

#### Conclusion/Summary:

Not available

### PERSISTENCE AND DEGRADABILITY:

Not available

### BIOACCUMULATIVE POTENTIAL:

Not available

### MOBILITY IN SOIL:

#### Soil/Water Partition Coefficient (K<sub>oc</sub>):

Not available

#### Other Adverse Effects:

No known significant effects or critical hazards

## SECTION 13. DISPOSAL CONSIDERATIONS

This product, under the normal conditions of use, meets the definition of an “ARTICLE.” The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product’s directions for use it may present potential health and safety hazards.

#### Disposal Methods:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

## SECTION 14. TRANSPORT INFORMATION

	DOT CLASSIFICATION	IMDG	IATA
UN number	Not regulated	Not regulated	Not regulated
UN Proper Shipping Name	-	-	-
Transport Hazard Class(es)	-	-	-
Packing Group	-	-	-
Environmental Hazards	No	No	No

## SECTION 14. TRANSPORT INFORMATION

### ADDITIONAL INFORMATION:

#### Special Precautions for User:

**Transport within user's premises:** Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

#### Transport in Bulk According to IMO Instruments:

Not available

## SECTION 15. REGULATORY INFORMATION

### U.S. Federal Regulations:

**TSCA 4(a) final test rules:** Octamethylcyclotetrasiloxane

**TSCA 8(a) PAIR:** Octamethylcyclotetrasiloxane

**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined.

**TSCA 8(c) calls for record of SAR:** Isocyanic acid, polymethylenepolyphenylene ester

**United States inventory (TSCA 8b):** All components are active or exempted.

**Clean Water Act (CWA) 307:** Boron zinc hydroxide oxide

#### Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs):

Not listed

#### Clean Air Act Section 602 Class I Substances:

Not listed

#### Clean Air Act Section 602 Class II Substances:

Not listed

#### DEA List I Chemicals (Precursor Chemicals):

Not listed

#### DEA List II Chemicals (Essential Chemicals):

Not listed

### SARA 302/304:

#### Composition/Information on Ingredients

No products were found.

#### SARA 304 RQ:

299490.9 lbs / 135968.9 kg

### SARA 311/312:

#### Classification:

COMBUSTIBLE DUSTS

RESPIRATORY SENSITIZATION - Category 1

CARCINOGENICITY - Category 1A

## SECTION 15. REGULATORY INFORMATION (CONTINUED)

### COMPOSITION/INFORMATION ON INGREDIENTS:

NAME	%	CLASSIFICATION
Wood and wood dust	≥90	COMBUSTIBLE DUSTS RESPIRATORY SENSITIZATION - Category 1 SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 1A
Isocyanic acid, polymethylenepolyphenylene ester	<1	ACUTE TOXICITY (inhalation) - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A RESPIRATORY SENSITIZATION - Category 1 SKIN SENSITIZATION - Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
Crystalline silica, respirable powder	<1	CARCINOGENICITY - Category 1A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

#### SARA 313:

Not applicable.

#### STATE REGULATIONS:

##### Massachusetts:

The following components are listed: PARAFFIN WAX FUME; ALUMINUM SULFATE

##### New York:

The following components are listed: ALUMINUM SULFATE

##### New Jersey:

The following components are listed: WOOD DUSTS; ZINC COMPOUNDS; PARAFFIN WAX; PARAFFIN WAXES AND HYDROCARBON WAXES; ALUMINUM SULFATE; SULFURIC ACID, ALUMINUM SALT (3:2); PHENOL; HYDROXYBENZENE; CARBOLIC ACID

##### Pennsylvania:

The following components are listed: WOOD DUST (CERTAIN HARDWOODS AS BEACH AND OAK) SOFTWOOD; ZINC COMPOUNDS; PARAFFIN WAXES AND HYDROCARBON WAXES; SULFURIC ACID, ALUMINUM SALT (3:2)



## SECTION 15. REGULATORY INFORMATION (CONTINUED)

### CALIFORNIA PROP. 65:

⚠ Not hazardous in solid form. If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released. **WARNING:** This product can expose you to chemicals including wood dust and formaldehyde, which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

INGREDIENT NAME	NO SIGNIFICANT RISK LEVEL	MAXIMUM ACCEPTABLE DOSAGE LEVEL
Wood dust	-	-
Silica, crystalline	-	-
Titanium dioxide	-	-

### INTERNATIONAL REGULATIONS:

#### Chemical Weapon Convention List Schedules I, II & III Chemicals:

Not listed

#### Montreal Protocol:

Not listed

#### Stockholm Convention on Persistent Organic Pollutants:

Not listed

#### Rotterdam Convention on Prior Informed Consent (PIC):

Not listed

#### UNECE Aarhus Protocol on POPs and Heavy Metals:

Not listed

## SECTION 16. OTHER INFORMATION

### Other Special Considerations:

Not hazardous in solid form. If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released.

### Hazardous Material Information System (U.S.A.):

Health	* 0
Flammability	1
Physical hazards	0

**\*Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS ratings are to be used with a fully implemented HMIS program. HMIS is a registered trademark and service mark of the American Coatings Association, Inc. The customer is responsible for determining the PPE code for this material. For more information on HMIS Personal Protective Equipment (PPE) codes, consult the HMIS Implementation Manual.**



## SECTION 16. OTHER INFORMATION (CONTINUED)

### NATIONAL FIRE PROTECTION ASSOCIATION (U.S.A.):



### PROCEDURE USED TO DERIVE THE CLASSIFICATION:

CLASSIFICATION	JUSTIFICATION
COMBUSTIBLE DUSTS	Expert judgment
RESPIRATORY SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 1A	Calculation method

### HISTORY:

#### Date of Issue/Date of Revision:

03/23/2022

#### Date of Previous Issue:

No previous validation

#### Version:

1

#### Prepared by:

Sphera Solutions

#### Key to Abbreviations:

ATE = Acute Toxicity Estimate

AMP = Acceptable Maximum Peak above the acceptable ceiling concentration for an 8-hr shift

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labeling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 ("Marpol" = marine pollution)

N/A = Not available

UN = United Nations

## SECTION 16. OTHER INFORMATION (CONTINUED)

### References:

HCS (U.S.A.) - Hazard Communication Standard International transport regulations

✔ Indicates information that has changed from previously issued version.

### NOTICE TO READER

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