

**Section 1. Identification****Product Name:** RAECO R-100™**Effective Date:** 15 May 2026**Replaces:** 21 July 2025**Manufacturer Name:** Silpro LLC**Address:** 2 New England Way

Ayer, MA 01432-1514

**24/7 EMERGENCY PHONE:** INFOTRAC 800-535-5053 Call collect internationally 352-323-3500.**Refer ID# 84653****24/7 HEALTH EMERGENCIES:** 800-222-1222 National Poison Control Center.**Section 2. Hazard(s) Identification****Emergency overview:** Gray solid or powder with a little odor. RAECO R-100™ may cause eye damage and skin irritation. Inhalation may cause respiratory irritation and ingestion may cause gastric distress.**GHS Pictograms:****GHS Signal Word:** WARNING**POTENTIAL HEALTH EFFECTS:****CODE OF HAZARD STATEMENTS:**

Physical hazards

None.

Health Hazards

H313, May be harmful in contact with skin.

H315, Causes skin irritation.

H319, Causes serious eye irritation.

H333, May be harmful if inhaled.

Environmental hazards

H402, Harmful to aquatic life.

**CODE OF PRECAUTIONARY STATEMENTS:**

General

P101, Keep out of reach of children.

P103, Read label before use.

Prevention

P234, Keep only in original container.

P262 Do not get in eyes, on skin or on clothing.

P264, Wash thoroughly after handling.

P270, Do not eat, drink or smoke when using this product.

P280, Wear protective gloves/protective clothing/eye protection/face protection.

Response

P312, Call a POISON CENTER or doctor/physician if you feel unwell.

P331, DO NOT induce vomiting.

P340, Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P352, Wash with plenty of soap and water.

P362, Take off contaminated clothing and wash before reuse.

Storage

P402, Store in a dry place.

P403, Store in a well-ventilated area.

P411, Do not expose to temperatures below 0 °C/32 °F.

**ROUTES OF ENTRY:** Eye contact, skin adsorption, ingestion and inhalation.**CARCINOGENICITY:** Crystalline silica is listed in ACGIH, NTP, IARC, or OSHA as a carcinogen. *NOTE: Please refer to Section 11 for detailed toxicological information.*

**Section 3. Composition/Information on Ingredients**

Ingredients	Component	CAS #	EINECS #	Percent
	Crystalline silica	14808-60-7	238-878-4	>69
	Portland cement	65997-15-1	266-043-4	>27
	Talc	14807-96-9	238-877-9	>1
	Water	7732-18-5	231-791-2	Balance

**Section 4. First Aid Measures**

**Eye Contact:** Flush eyes with water immediately while holding eyelids open. Remove contacts, if worn, after initial flushing and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.

**Skin Contact:** Use soap and water to remove from the skin, remove contaminated clothing, clean thoroughly before reuse. If irritation persists, contact a physician.

**Inhalation:** Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult, give oxygen. Seek medical attention if breathing is still difficult.

**Ingestion:** If swallowed, get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.

**Section 5. Fire Fighting Measures**

**Flash Point:** Not combustible.

**Fire Fighting Media:** Use dry chemical, carbon dioxide, and water spray.

**Special Fire Fighting Procedures:** Product will decompose above 414°F (200°C) and spatter above 212°F (100°C). First responders need to wear full-bunker gear with SCBA, never enter a confined space unless fully protected with proper personal protective equipment (PPE).

**Section 6. Accidental Release Measures**

**Use personal protective equipment, see section 8.**

**Clean-up Procedures:** Stop the source of the release if you are not put at risk. Use absorbent material (such as sand or kitty litter) to absorb the spill, use shovel to pick up absorbent for disposal.

**Spills and Leaks:** Dispose in accordance to local, state or federal regulations.

**Section 7. Handling and Storage**

**Handling:** Do not get into eyes, on skin and on clothing. Do not breathe dusts or mists. Wash thoroughly after handling. Do not freeze. Keep out of sunlight.

**Storage:** Store in original labeled container. Keep in cool and dry areas. Keep above 33.8°F (1.0°C) and below 120.2°F (49°C).

**Section 8. Exposure Controls/Personal Protection**

**Introductory Remarks:** Consider the potential hazards of this product outlined in section 2. Use process exposures such as local exhaust ventilation, to control over exposure to airborne levels above recommended exposure limits.

Ingredient	OSHA PEL
Portland cement	5 mg/m <sup>3</sup>
Crystalline silica	10 mg/m <sup>3</sup>
Talc	15 mg/m <sup>3</sup>

**Personal Protection:**

**Eyes:** Wear safety goggles or safety glasses to prevent eye contact.

**Body:** Long sleeve shirts, long pants, socks, rubber boots and chemical resistant gloves.

**Hands:** Neoprene chemical resistant gloves.

**Respiratory:** Wear an approved respirator that provides protection from this product if the airborne concentrations exceed the recommended exposure limits.

**Section 9. Physical and Chemical Properties**

<b>Odor/Color</b>	Gray Solid or powder/ Slight odor	<b>Vapor Pressure</b>	> 17 torr @ 68°F (20°C)
<b>pH</b>	10.0-11.0	<b>Specific gravity (water=1)</b>	1.03 @ 68°F (20°C)
<b>Solubility</b>	Miscible in water	<b>Melting point</b>	0.0°C (32.0°F)
<b>Boiling point</b>	100 °C (212 °F)		

**Section 10. Stability and Reactivity**

**Chemical Stability:** Considered stable under normal ambient temperatures.

**Hazardous Decomposition:** If complete combustion, oxides of carbon and silicate are formed.

**Hazardous Polymerization:** Will not occur.

**Incompatibility~ Materials to Avoid:** No known materials that are in compatible.

**Section 11. Toxicological Information**

The product is not toxic.

**Acute Eye Irritation:** Irritating.

**Acute Skin Irritation:** May be irritating.

**Acute Dermal Toxicity:** Not expected to be toxic through the skin.

**Acute Inhalation Toxicity:** Not determined, expected to be an irritant to the respiratory system.

**Section 12. Ecological Information**

**Ecotoxicity:** The toxicity of this product has not been determined.

**Environmental Fate:** This product's environmental fate has not been determined.

**Section 13. Disposal Considerations**

**Waste Disposal Method:** Whatever cannot be saved for recovery or recycling should be managed by the local, state or Federal Regulations.

**Container Handling and Disposal:** All containers should be triple rinsed and disposed of according to local, state and Federal regulations.

**Section 14. Transport Information**

**Ground Classification:** Not regulated by US DOT

**Shipping Name:** RAECO R-100™.

**IATA or IMO:** Not regulated

**Section 15. Regulatory Information**

**EPCRA 311/312 Categories:**

Immediate (Acute) Health Effects:	Yes
Delayed (Chronic) Health Effects:	No
Fire Hazard:	No
Sudden Release of Pressure	No
Reactivity:	No

**Right to know classification:** Not listed in the United States.

**TSCA:** Portland cement and Silica are listed on the active TSCA list.

**Prop. 65:** Crystalline silica.

All ingredients are not listed as chemical inventories of ACIS, ECL, EEC, ENCS, EU, Israel, MAC, MAK, MITI, PICCS, SWISS, Taiwan, USA and UK

**Abbreviations:**

CAS #	Chemical Abstract Service Number	EINECS	European Inventory of existing Commercial Chemical Sales
°C	Celsius temperature scale	°F	Fahrenheit temperature scale
Prop.	Proprietary	PE	Personal Protective Equipment
TLV	Threshold Limit Value	TWA	Time Weighted Average
STEL	Short-term Exposure Limit	PEL	Permissible Exposure Limit
OSHA	Occupational Safety & Health	NIOSH	National Institute of Safety & Health
NFPA	National Fire Protection Agency	WHMIS	Workplace Hazardous Materials Information



Safety Data Sheet

RAECO R-100™

NTP	National Toxicology Program	IARC	System
RCRA	Resource Conservation Recovery Act	TSCA	Int. Agency for Research on Cancer
EC <sub>50</sub>	Effective Dose	LC <sub>50</sub>	Toxic Substance Control Act
LD <sub>50</sub>	Lethal Dose	CAS	Lethal Inhalation Concentration
LEL	Lower explosive limit	CAS	Chemical Abstract Service Number
NDA	No Data Available	UEP	Upper explosive limit
NE	None established	ND	Not determined
<	Less Than or Equal To	NA	Not Applicable
CNS	Central Nervous System	≥	Greater Than or Equal To
DSL	Canada	CI	China
EEC	European Economic Commission ENCS	ECL	Korean Existing Chemicals List
EU	European Union		Japanese Existing and New Chemical List
MAK	Germany	MAC	Netherlands
PICCS	Philippines	MITI	Japan
UK	United Kingdom	SWISS	Giffliste 1
VOC	Volatile organic content	USA	United States
ACGIH	American Conference of Government Industrial Hygienists		
SARA	Superfund Amendments and Reauthorization Act		
AICS	Australian Inventory of Chemical Substances		
IARC	International Agency for Research on Cancer		
Taiwan	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086		

**Section 16. Other Information**

**Hazardous Material Information (HMIS)**

**National Fire Protection Association (NFPA)**

Health	1	1	Health
Fire	0	0	Fire
Reactivity	0	0	Instability
Personal Protection	E		NA

Health 4 Deadly 3 Extreme Danger 2 Dangerous 1 Slight hazard 0 No hazard  
 Fire 4 < 73 °C 3 < 100 °C 2 < 200 °C 1 >200 °C 0 Will not burn  
 Reactivity/Instability 4 – May detonate 3 Explosive 2 Unstable 1 Normally stable 0 Stable

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