



Safety Data Sheet

1. Product and company identification

Product Name Poly-Tron Primer – Part A
Internal Code(s) 260910; 260963
Product Type Epoxy Resin
Product Use Civil Engineering Resin System
Manufacturer/Supplier RJ Watson, Inc. www.rjwatson.com
 11035 Walden Ave. sales@rjwatson.com
 Alden, NY 14004
 U.S.A.
Revision Date 24-AUG-2015
Telephone **For 24-Hour Emergency Response Information**
 Call ChemTel: (800) 255-3924 (U.S./Canada)
 +1-813-248-0585 (International)
For Other Product or Technical Information
 Call RJ Watson, Inc.: (716) 901-7020

2. Hazards identification

Product Form Straw-colored liquid
OSHA/HCS status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard Category Classification:	Skin Corrosion / Irritation	2	Skin Irritation
	Serious Eye Damage / Eye Irritation	2A	Eye Irritation - Reversible effects on the eye.
	Skin Sensitization	1	Skin Sensitizer
	Germ Cell Mutagenicity	2	May induce heritable mutations in germ cells
	Carcinogenicity	2	Suspected human carcinogen
	Specific Target Organ Toxicity (Single Exposure)	3	Transient target organ effects - Respiratory Tract Irritation via inhalation
Specific Target Organ Toxicity (Repeated Exposure)	1	Potential to produce significant toxicity in humans following repeated exposure - Central Nervous System (CNS) via inhalation; Skin via skin contact	

GHS Pictogram(s):



Signal Word: DANGER

Hazard Statement:	H315	Causes skin irritation.
	H319	Causes serious eye irritation.
	H317	May cause an allergic skin reaction.
	H341	Suspected of causing genetic defects.
	H351	Suspected of causing cancer.
	H335	May cause respiratory irritation.
	H372	Causes damage to organs (central nervous system (CNS), skin) through prolonged or repeated exposure.

Precautionary Statements:

Prevention:

P264	Wash hands and exposed skin thoroughly after handling.
P280	Wear protective (permeation-resistant rubber) gloves / protective clothing / eye protection / face protection.
P260	Do not breathe vapors.
P272	Contaminated work clothing should not be allowed out of the workplace.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P271	Use only outdoors or in a well-ventillated area.
P270	Do not eat, drink, or smoke when using this product.

Response:

P308 + P313	IF exposed or concerned: Get medical advice / attention.
P302 + P352	IF ON SKIN: Wash with plenty of water and soap.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical attention.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER or doctor if you feel unwell.

Storage:

P403 + P233	Store in a well-ventillated place. Keep container tightly closed.
P405	Store locked up.

Disposal:

P501	Dispose of contents / container to a disposal facility in accordance with all local / national / international regulations.
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3. Composition/Information on ingredients

<u>Ingredient name</u>	<u>CAS number</u>	<u>WT %</u>
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	25068-38-6	65 – 80%
9-Octadecenoic acid, 12-(2-oxiranylmethoxy)-, 1,2,3-propanetriyl ester, homopolymer	74398-71-3	15 – 25%
Oxirane, 2-(butoxymethyl)-	2426-08-6	5 – 10%

4. First aid measures

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention.

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. In the event of any complaints or symptoms, avoid further exposure. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation

Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if adverse health effects persist or are severe. 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.

Ingestion

Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. 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 if adverse health effects persist or are severe. 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.

Notes to physician

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Flammability properties of the product

Flash Point: >93°C (>199.4°F)
Flash Point Method Used: Pinsky-Martens Closed Cup (ASTM D-93)
Flammable Limits in Air (Lower - % by volume): Not determined
Flammable Limits in Air (Upper - % by volume): Not determined

Extinguishing media

Suitable

Low Pressure Water Spray, Foam, Carbon Dioxide, Dry Chemical

Not suitable

High-Pressure Water Spray (may spread burning material).

Special exposure hazards

Wear self-contained breathing apparatus (SCBA) to protect from hazardous combustion products. Be aware of the explosive rupture potential of this product under fire and/or excessive heating conditions.

Hazardous combustion products

Carbon Monoxide, Carbon Dioxide, Hydrocarbons, and other Aliphatic Fragments of uncertain composition.

Unusual Fire and Explosion Hazards

The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.

Special protective equipment & instructions for fire-fighters

Fire-fighters should wear appropriate protective equipment including self-contained breathing apparatus (SCBA).

Fight fire from safe distance and protected location. Avoid direct personal contact with liquid. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Prevent fire-fighting water from entering environment.

6. Accidental release measures

Personal precautions

No action shall be taken involving any personal risk or without suitable training. Put on appropriate personal protective equipment (see section 8).

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).

Spill Response

Clean up large spills with vacuum truck. Soak up small spills with absorbent material and place in labeled containers for recovery or disposal.

7. Handling and storage

Handling

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Avoid breathing vapor or mist. Avoid contact with eyes, skin, and clothing. Avoid tasting or swallowing. Keep container closed when not in use. Use with adequate ventilation. Wash thoroughly after handling.

Storage

Keep in the original container or an approved alternative made from a compatible material, kept tightly sealed when not in use. Take measures to

prevent the introduction of water or atmospheric moisture. Store at room temperature in a dry place away from heat and direct sunlight. Store in accordance with all local and government regulations. Recommended storage temperature: 59 - 95°F (15 - 35°C).

8. Exposure controls/personal protection

CAS Number	Chemical Identity	Exposure Limits				
		ACGIH		OSHA		NIOSH
		TWA	STEL	PEL	STEL	REL
25068-38-6	4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	N.E.	N.E.	N.E.	N.E.	N.E.
74398-71-3	9-Octadecenoic acid, 12-(2-oxiranylmethoxy)-, 1,2,3-propanetriyl ester, homopolymer	N.E.	N.E.	N.E.	N.E.	N.E.
2426-08-6	Oxirane, 2-(butoxymethyl)-	3 ppm	N.E.	270 mg/m ³ 50 ppm TWA	N.E.	30 mg/m ³ 5.6 ppm Ceiling

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures

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.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are located in the work area.

Respiratory

Use a properly fitted, air-purifying or air-supplied respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Eyes

Safety glasses with side-shields or chemical splash goggles are recommended.

Skin

Impervious gloves should be used. Butyl rubber gloves are recommended. 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.

9. Physical and chemical properties

Form	Liquid
Color	Straw-colored
pH	Not determined
Boiling point	> 117.8°C (> 244°F)
Freezing Point	Not determined
Specific gravity	1.10
Odor threshold	Slight sweet-smelling odor
Solubility in water	Negligible
Evaporation rate	Not Determined
Vapor density	Not Determined

10. Stability and reactivity

Stability	The product is stable under normal conditions of storage and use.
Conditions to avoid	Excessive heat. Sparks, open flames, and other sources of ignition.
Materials to avoid	Reactive or incompatible with the following materials: Strong oxidizers.
Other hazards	Curing reaction may release significant heat when mixed with Part B
Hazardous decomposition products	Decomposition products upon combustion may include the following materials: Carbon Monoxide, Carbon Dioxide.

11. Toxicological information

Acute toxicity

LD50 Oral	Rat	> 6,189 mg/kg (Acute Toxicity Estimate)
LD50 Dermal	Rabbit	> 2,016 mg/kg (ATE)
LC50 Inhalation	Rat	> 20 mg/L vapors

Skin Irritation

Rabbit, OECD Test Guideline 404, 24 Hrs.: Moderately irritating

Eye Irritation

Rabbit, Moderately irritating

Sensitization

Causes sensitization.

Skin sensitization (local lymph node assay (LLNA)):: positive (mouse, OECD Test Guideline 429)

Mutagenicity

Suspected of causing genetic defects.

Carcinogenicity Classification

IARC	Not listed
NTP	Not listed
OSHA	Not regulated as a carcinogen
EU	Not classified

12. Ecological information

Environmental effects

No known significant effects or critical hazards.

Other adverse effects

No known significant effects or critical hazards.

13. Disposal considerations

Waste disposal

The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

The data provided in this section is for information only and may not be specific to each package size or mode of transport. Apply the appropriate regulations to properly classify your shipment for transportation.

International transport regulations

Regulatory information	UN/NA number	Proper shipping name	Classes/*PG	Reportable Quantity (RQ)
CFR	N/A	Not dangerous goods	N/A	N/A.
TDG	N/A	Not dangerous goods	N/A	N/A.
IMO/IMDG	N/A	Not dangerous goods	N/A	N/A.
IATA	N/A	Not dangerous goods	N/A	N/A.

*PG : Packing group

15. Regulatory information

US regulations

HCS Classification When used for its intended purpose, this material is classified as hazardous in accordance with OSHA 29CFR 1910.1200.

U.S. Federal regulations

SARA Title III, Section 311/312 Classification
Acute (Immediate) Health Hazard

SARA Title III, Section 313 - Supplier Notification

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.

No chemicals present above the *de minimus* limit.

SARA Section 302 Extremely Hazardous Substances

None required.

State regulations

Massachusetts RTK Substances

4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer (CAS # 25068-38-6)
Epichlorohydrin (CAS # 106-89-8); <0.05%
Diglycidyl Ether (CAS # 2238-07-5); <0.05%

New Jersey RTK Hazardous Substances

4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer (CAS # 25068-38-6)

Pennsylvania RTK Hazardous Substances

4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer (CAS # 25068-38-6)
Epichlorohydrin (CAS # 106-89-8); <0.05%

California Prop. 65: WARNING: This product contains the following chemical(s) known to the State of California to cause cancer:

Epichlorohydrin (CAS # 106-89-8); <0.05%
Phenyl Glycidyl Ether (CAS # 122-60-1); 0.3 - 2 ppm

California Prop. 65: WARNING: This product contains the following chemical(s) known to the State of California to be a reproductive toxin:

Epichlorohydrin (CAS # 106-89-8); <0.05%; Male
Methanol (CAS # 65-56-1); < 1 ppm; Developmental

International regulations

Chemical inventories

Australia inventory (AICS) - All components are listed or exempted.
Canada inventory - All components are listed or exempted
Japan inventory - All components are listed or exempted
China inventory (IECSC) - All components are listed or exempted.
Korea inventory - All components are listed or exempted.

New Zealand Inventory (NZIoC) - All components are listed or exempted.
Philippines inventory (PICCS) - All components are listed or exempted.
United States inventory (TSCA 8b) - All components are listed or exempted.

Restriction of Hazardous Substances (RoHS) This product is RoHS compliant and does not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) at levels greater than the maximum concentration values specified in Directive 2011/65/EU (dated 8 June, 2011) of the European Parliament and of the Council of the European Union.

16. Other information

Hazardous Material Information System III (U.S.A.)	Health: 2 Flammability: 1 Physical hazards: 0 Personal Protection: X
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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. HMIS® ratings are to be used with a fully implemented HMIS® program.

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Notice to reader

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