



Safety Data Sheet

1. Product and company identification

Product Name	Poly-Tron - Part A	
Internal Code(s)	261110; 261163	
Product Type	Polyol Resin	
Product Use	Two-Component Elastomeric Concrete	
Manufacturer/Supplier	RJ Watson, Inc. 11035 Walden Ave. Alden, NY 14004 U.S.A.	www.rjwatson.com sales@rjwatson.com
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	Black Liquid
OSHA/HCS status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard Category Classification:	Acute Toxicity	4	Acute Toxicity (Oral)
	Specific Target Organ Toxicity – Single Exposure	2	Oral; Central Nervous System, Kidney
	Specific Target Organ Toxicity – Repeated/Prolonged Exposure	2	Oral; Kidney

GHS Pictogram(s):



Signal Word: **WARNING**

Hazard Statement:	H302	Harmful if swallowed.
	H371	May cause damage to organs (Central nervous system, Kidney)
	H373	May cause damage to organs (Kidney) through prolonged or repeated exposure.

Precautionary Statements:

Prevention:	P264	Wash hands and exposed skin thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P260	Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.

Response:	P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
	P330	Rinse mouth.
	P308 + P311	IF exposed or concerned: Call a POISON CENTER/ doctor/ physician.
	P314	Get medical advice/ attention in you feel unwell.

Storage:	P405	Store locked up.
Disposal:	P501	Dispose of contents / container to a disposal facility in accordance with all local / national / international regulations.

3. Composition/Information on ingredients

<u>Ingredient name</u>	<u>CAS number</u>	<u>WT %</u>
Diethylene Glycol	111-46-6	4.0 – 8.0%
Carbon Black	1333-86-4	0.8 – 1.0%

4. First aid measures

Eye contact	In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If eye irritation persists, consult a doctor/physician.
Skin contact	Immediately remove excess chemical and contaminated clothing; thoroughly wash contaminated skin with mild soap and water. If irritation persists after washing, seek medical attention. Thoroughly clean contaminated clothing before reuse; discard contaminated leather goods (gloves, shoes, belts, wallets, etc.).
Inhalation	Move the exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. When breathing is difficult, properly trained personnel may assist the affected person by administering oxygen. Keep the affected person warm and at rest. Get medical attention immediately.
Ingestion	If product is ingested, do not induce vomiting and contact a physician or Poison Control Center. Rinse mouth with water. If unconscious place in recovery position and seek medical advice. Never give anything by mouth to an unconscious person.
Notes to physician	Treat symptomatically.

Potential acute health effects

Inhalation	None anticipated under normal conditions of use. If product is sprayed or aspirated, inhalation may become a relevant route of exposure. May cause irritation of the mucous membranes. May cause central nervous system depression.
Ingestion	Moderate oral toxicity. May cause CNS effects, blood disturbances and damage to kidney and other organs.
Skin	Virtually nontoxic after a single skin contact. May cause mild irritation.
Eyes	Eye contact may cause mild irritation.

Potential chronic health effects

Chronic effects	Repeated exposure to the substance by dermal administration leads to effects similar to those found after single exposure.
Carcinogenicity	This product contains Carbon Black (CAS # 1333-86-4) which is classified as possibly carcinogenic to humans by IARC (IARC Group 2B) via inhalation. This is not a relevant route of exposure during normal use of this product.
Developmental effects	None known.
Fertility effects	None known.
Target organs	Central Nervous System; Kidney

Over-exposure signs/symptoms

Inhalation	Irritation of respiratory tract and mucous membranes. Central Nervous System effects.
Ingestion	Central Nervous System effects, Irritation, nausea

Skin	Irritation
Eyes	Irritation
Medical conditions aggravated by over-exposure	None known.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

Flammability properties of the product	Flash Point: 138°C (280°F) Flash Point Method Used: Pensky-Martens Closed Cup (ASTM D-93) Flammable Limits in Air (Lower - % by volume): Not Determined Flammable Limits in Air (Upper - % by volume): Not Determined
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Extinguishing media

Suitable	Water, dry extinguishing media, carbon dioxide, foam
Not suitable	High-Pressure Water Spray (may spread burning material).
Special exposure hazards	None known.
Hazardous combustion products	Carbon Monoxide, Carbon Dioxide.
Unusual Fire and Explosion Hazards	Sealed, fire-exposed containers may build up dangerous pressure, potentially resulting in explosive rupture. Keep sealed fire-exposed containers cool with water spray.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment, including self-contained breathing apparatus and turn-out gear.

6. Accidental release measures

Personal precautions	No action shall be taken involving any personal risk or without suitable training. Clear area. Ensure adequate ventilation. 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	Dike spillage. 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		Other
		TWA	STEL	PEL	STEL	
111-46-6	Diethylene Glycol	N.E.	N.E.	N.E.	N.E.	N.E.
1333-86-4	Carbon Black (limits as total dust)	3.5 mg/m ³	N.E.	3.5 mg/m ³	N.E.	3.5 mg/m ³ (Canada)

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. Contaminated equipment or clothing should be cleaned after each use or disposed of. 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

Chemical resistant protective gloves are required. Suitable materials include: nitrile rubber.
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	Black
pH	Not applicable
Boiling point	> 200°C (decomposes)
Freezing Point	-8 to -6.5°C (18 - 20.3°F)
Specific gravity	1.00
Vapor pressure	< 0.001 mmHg
Odor threshold	Slight, characteristic odor
Solubility in water	Slightly soluble
Evaporation rate	Not Determined
Vapor density	Not Determined

10. Stability and reactivity

Stability

The product is stable. Hazardous polymerization will not occur.

Conditions to avoid

None known.

Materials to avoid

Reactive or incompatible with the following materials: Strong oxidizers, isocyanates.

Other hazards	May present a slipping hazard if spilled.
Hazardous decomposition products	Decomposition products may include the following materials: Carbon Monoxide, Carbon Dioxide.

11. Toxicological information

Acute toxicity

LD50 Oral	Rat	> 5,000 mg/kg;
LD50 Oral	Human	> 5,000 mg/kg (estimated)
LC50 Inhalation	Rat	> 50.8 mg/L (4 Hour - estimated)
LD50 Dermal	Rabbit	> 2,000 mg/kg

Sensitization

Skin Sensitization	Not classified
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Carcinogenicity Classification

Carbon Black (CAS # 1333-86-4)	IARC	Group 2B (Possibly carcinogenic to humans)
	NTP	Not listed
	OSHA	Not regulated as a carcinogen
	EU	Not classified

12. Ecological information

Environmental effects

Ecotoxicity

Fish

(estimate based on mixture data)
 LC50: estimated to be > 100 mg/L
 Exposure time: 96 h
 Acute and chronic toxicity to fish is very low.

Aquatic invertebrates

Acute and chronic toxicity to freshwater and marine invertebrates is very low.

Biodegradability

Not readily biodegradable.

Additional Information

None.

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 & 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

Immediate (Acute) 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.

CERCLA RQ: None

SARA Section 302 Extremely Hazardous Substances

None required.

State regulations

Massachusetts RTK Substances

None

New Jersey RTK Hazardous Substances

None

Pennsylvania RTK Hazardous Substances

Diethylene Glycol (CAS No. 111-46-6; ETHANOL, 2,2-OXYBIS-)

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

None

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

None

International regulations

Chemical inventories United States inventory (TSCA 8b) - All components are listed or exempted.

16. Other information

Hazardous Material

Health: 1

Information System III (U.S.A.)

Flammability: 1

Physical hazards: 0

Personal Protection: X

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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