

ITW Permatex Canada  
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## Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

### I. PRODUCT IDENTIFICATION

Product Name: PC NJ-1C RUST DISSOLVER GEL 236 ML  
Item No: 80594  
Product Type: Rust dissolver

### II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
WATER 7732-18-5	>50	not available	not available	
PHOSPHORIC ACID 7664-38-2	20-30	1530 mg/kg	>850 mg/m <sup>3</sup> /1H	1 mg/m <sup>3</sup>
2-PROPANOL 67-63-0	<3	4396 mg/kg	72.6 mg/L/4H	200 ppm

### III. PHYSICAL DATA

Physical State/Appearance: Pink gel  
Odour & Odour Threshold: Lime  
Specific Gravity: 1.189  
Evaporation Rate: <1 (butyl acetate = 1)  
Vapour Pressure: 12 mm Hg @ 20°C  
Vapour Density: >1 (air =1)  
Freezing Point: Not determined  
pH: 1.5-2.5  
Octanol/Water Coefficient: Not determined  
Boiling Point: 100°C (212°F)

### IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.  
Hazardous Combustion Products: Oxides of carbon, Oxides of phosphorous  
Sensitivity to Static Discharge: Sensitivity to static discharge is not expected.  
Conditions of Flammability: Not flammable, but hydrogen gas may be liberated if product contacts powdered metals or metals at temperatures above 85 degrees C.  
Flash Point/Range: None  
Autoignition Temperature: Not determined  
Upper Explosive Limit: Not determined  
Lower Explosive Limit: Not determined

### V. REACTIVITY DATA

Conditions Causing Chemical Instability: Stable under normal conditions  
Materials to avoid: Caustics and powdered metals, Powdered metals  
Conditions of Reactivity: None.  
Hazardous Decomposition Products: Carbon oxides, Oxides of phosphorus, Hydrogen gas

### VI. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation  
Existing Conditions Aggravated by Exposure: Respiratory disorders  
Toxicity Information: (See Effects of Acute Exposure to Product)  
Effects of Acute Exposure: Corrosive. The product causes burns of eyes, skin and mucous membranes. Ingestion causes burns of the upper digestive and respiratory tracts.  
Effects of Chronic Exposure: Causes burns of the mouth, throat and stomach.  
Irritancy of Product: Eye, skin, respiratory or gastrointestinal irritation. It is possible that such irritation may be severe and lead to burns. Allergic reactions may occur.  
Sensitization to Product: (See Effects of Acute Exposure to Product)

## **VI. HAZARDS IDENTIFICATION**

**Carcinogenicity:** (See Effects of Chronic Exposure to Product)  
**Reproductive Toxicity:** (See Effects of Chronic Exposure to Product)  
**Teratogenicity:** (See Effects of Chronic Exposure to Product)  
**Mutagenicity:** (See Effects of Chronic Exposure to Product)  
**Toxicologically Synergistic Products:** None known  
**WHMIS Hazard Class:** D2B TOXIC MATERIALS, E CORROSIVE MATERIAL

## **VII. PREVENTATIVE MEASURES**

### **Personal Protection**

**Eyes:** Safety glasses. Face shield.  
**Skin:** Neoprene or nitrile gloves recommended. Long sleeved clothing.  
**Ventilation:** General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product. In case of insufficient ventilation, wear an organic vapor respirator.  
**Engineering Controls:** In case of insufficient ventilation, wear an organic vapor respirator.  
**Spill Procedures:** Wear appropriate protective and respiratory equipment. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.  
**Protection of Man and Environment:** Follow Canadian and local regulations for disposal.  
**Handling Procedures and Equipment:** Protect from freezing. Keep container closed when not in use. Wear all appropriate personal protective equipment. Use with adequate ventilation.  
**Special Handling Information:** Avoid prolonged breathing of vapor. Keep away from eyes. Avoid prolonged contact with skin. Do not smoke while using. Wash hands after use. Eye wash station should be close by in case of contact with eyes. Neutralize with alkaline material such as soda ash or lime. .

## **VIII. FIRST AID MEASURES**

**Ingestion:** If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.  
**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Obtain medical attention.  
**Skin Contact:** In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention.  
**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

## **IX. SHIPPING INFORMATION**

### **Canadian Transportation of Dangerous Goods**

**Proper Shipping Name:** Corrosive liquid, acidic, inorganic, n.o.s., (phosphorous acid) (May qualify as a Consumer Commodity or Limited Quantity. Refer to TDG regulations)  
**Hazard Class:** Class 8, PGIII  
**UN/ID No:** UN 3264

### **IATA (Air)**

**Proper Shipping Name:** Corrosive liquid, acidic, inorganic, n.o.s., (Phosphoric acid)  
**Class or Division:** Class 8, PGIII  
**UN/ID Number:** UN3264

### **IMDG (Vessel)**

**Proper Shipping Name:** Corrosive liquids, acidic, inorganic, n.o.s., (Phosphoric acid), Limited Quantity  
**Hazard Class:** Class 8 PGIII  
**UN Number:** UN 3264

## **X. PREPARATION INFORMATION**

**Estimated HMIS Classification:** HEALTH 3, FLAMMABILITY 0, PHYSICAL HAZARD 0  
HMIS is a registered trademark of the National Paint and Coatings Association

**Estimated NFPA Rating:** HEALTH 3, FLAMMABILITY 0, REACTIVITY 0  
(NFPA is a registered trademark of the National Fire Protection Association)

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