



# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

**Product name** FORMULA 7961  
**Product use** Acid. Cleaner. Descalant  
**Product code** 1098  
**Date of issue** 06/10/16      **Supersedes** 12/47/15

## Emergency Telephone Numbers

**For MSDS Information:**  
Technical Services Group  
Telephone (780) 453-8100  
(Business Hours 8:00am - 5:00pm)

**For Medical or Transportation Emergency**  
CANUTEC (24 Hours)  
(613) 996-6666 - Call Collect

**Prepared By**  
Technical Services Group  
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Edmonton, Alberta T5S 1N6

## Section 2. Hazards Identification

### Emergency overview

#### CAUTION

CAUSES EYE AND SKIN BURNS. CAUSES RESPIRATORY TRACT AND SKIN IRRITATION. HARMFUL IF SWALLOWED.

Do not breathe vapor or mist. Do not ingest. Do not get in eyes or on skin or clothing.  
Wash thoroughly after handling.

**NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.**

**Acute Effects**      **Routes of Entry**      Dermal contact. Eye contact Inhalation.

**Eyes**      Severely corrosive to the eyes. Causes severe burns.

**Skin**      Severely corrosive to the skin. Causes severe burns.

**Inhalation**      May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.

**Ingestion**      May cause burns to mouth, throat and stomach.

**Chronic effects**      Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation, leading to frequent attacks of bronchial infection. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.

Additional Information: See Toxicological Information (Section 11)

## Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients	CAS number	% by Weight
PHOSPHORIC ACID	7664-38-2	30 - 60

## Section 4. First Aid Measures

**Eye Contact**      Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

**Skin Contact**      Get medical attention immediately. Wash contaminated skin with soap and 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. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Inhalation**      Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.

<b>Ingestion</b>	If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. 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. Chemical burns must be treated promptly by a physician.
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## Section 5. Fire Fighting Measures

<b>Flash Point</b>	Non-combustible.
<b>Flammable Limits</b>	Not available.
<b>Flammability</b>	Not available.
<b>Auto-ignition Temperature</b>	
<b>Fire-Fighting Procedures</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. In case of fire, use water spray (fog), foam or dry chemical.
<b>Fire hazard</b>	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Products of Combustion</b>	May emit toxic fumes under fire conditions. carbon oxides (CO, CO <sub>2</sub> ) and toxic/corrosive fumes as oxides of phosphorous
<b>Explosion hazard</b>	Not available.

## Section 6. Accidental Release Measures

<b>Spill Clean up</b>	Put on appropriate personal protective equipment (see Section 8). Stop leak if without risk. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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## Section 7. Handling and Storage

<b>Handling</b>	Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container. Wash thoroughly after handling.
<b>Storage</b>	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 between the following temperatures: 40°F - 120°F (4.4°C - 49°C). 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. Keep out of the reach of children.

## Section 8. Exposure Controls/Personal Protection

<u>Product name</u>	<u>Exposure limits</u>
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No exposure limit value known.

### Personal Protective Equipment (PPE)



<b>Eyes</b>	Recommended: splash goggles
<b>Hands and</b>	Recommended: Boots, Chemical resistant. Neoprene gloves.
<b>Body</b>	Nitrile gloves. Rubber gloves. Synthetic apron.
<b>Respiratory</b>	Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.

## Section 9. Physical and Chemical Properties

<b>Physical State</b>	Liquid. [Clear.]	<b>Color</b>	Colorless.
<b>pH</b>	1.0 - 1.5	<b>Odor</b>	Sour. [Slight]
<b>Boiling Point</b>	107°C (224.6°F)	<b>Vapor Pressure</b>	Not available.
<b>Specific Gravity</b>	1.23	<b>Vapor Density</b>	Not available.
<b>Solubility</b>	Easily soluble in the following materials: cold water and hot water.	<b>Evaporation Rate</b>	1 (Water = 1)
<b>Freezing Point</b>		<b>VOC (Consumer)</b>	0.0%

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Reactive or incompatible with the following materials: oxidizing materials and alkalis.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11. Toxicological Information**

**Carcinogenicity** No known significant effects or critical hazards. Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Not available.				

**Section 12. Ecological Information**

**Environmental Effects** No known significant effects or critical hazards.

**Aquatic Ecotoxicity**

Product/ingredient name	Test	Result	Species	Exposure
Not available.				

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

**Waste Stream****Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>TDG Classification</b>	3264	Corrosive Liquid, Acidic, Inorganic, N.O.S. (Phosphoric Acid)	8	III		<u>Explosive Limit and Limited Quantity Index</u> 5
<b>IMDG Class</b>	Not available.	Not available.	Not available.	-		-

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. Limited Quantity: Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.

PG\* : Packing group

**Section 15. Regulatory Information****Canada**

**WHMIS (Canada)** Class E: Corrosive liquid.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*