



RUST-OUT

INSTANT RUST REMOVER

DESCRIPTION

Rust-Out has rapid penetration into fabrics for rust removal. Removes rust from cotton, linen, silk, wool, and synthetic fibers.

SPECIAL INFORMATION

DO NOT USE *Rust-Out* on metallic-weighted silk or fiberglass fabrics or fabrics containing metallic yarns, on porcelain, glass, enamelware, etc. For colored fabrics, first test in an inconspicuous area for color-fastness. *Rust-Out* will not injure most colours.

DIRECTIONS

1. Always apply *Rust-Out* to the rust spot with the nozzle of the bottle. **NEVER RUB WITH FINGERS.** Most stains will disappear instantly. On extreme or old rust stains, steam the spot with moist steam after saturating with *Rust-Out*.

2. Rinse area thoroughly with water when stain has disappeared. Thorough rinsing is essential before ironing or allowing fabrics to dry. Otherwise, handling the fabrics may cause burns, the stain may reappear, or fogging of nearby glass or porcelain surfaces may occur, particularly in confined areas.

Instructions are important for “on location” carpet stain removal. For further information, please contact your M-chem representative.

PHYSICAL DATA

Appearance	Liquid
Color	Clear to hazy
Foam	Moderate
Odor	Pungent
pH	Strong Acid



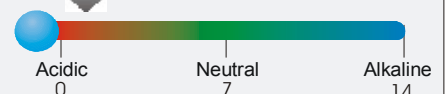
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LABEL CODES

Labels are color coded to identify the material type

Yellow	Chlorinated
Red	Acidic
Green	Neutral
Blue	Alkaline

PH LEVEL



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MATERIAL SAFETY DATA SHEET

**MANUFACTURER: MAXIM CHEMICAL INTERNATIONAL LTD.
1305 HALIFAX STREET, REGINA, SK S4R 1T9**

SECTION (1): PRODUCT IDENTIFICATION AND USE

PRODUCT NAME: REYNOLDS RUSTOUT

PRODUCT USE: DRY CLEANING RUST REMOVER

WHMIS CLASSIFICATION: D1B, E
TDG CLASSIFICATION: EXEMPT UNDER LIMITED QUANTITY PROVISION
OF TDG REGULATIONS.

SECTION (2): HAZARDOUS INGREDIENTS

	<u>CAS #</u>	<u>Range % (by weight)</u>
Orthophosphoric Acid	7664-38-2	30.0-60.0
Exposure Limits:	ACGIH TLV 1 ppm	
LD50 (oral, rat):	3500 mg/kg	
LD50 (dermal):	1260 mg/kg	
LC50:	Not available	
Citric Acid	77-92-91	5.0-10.0
LD50 (oral, rat):	5040 mg/kg	
LD50 (dermal):	Not available	
LC50:	Not available	
Oxalic Acid	144-62-7	5.0-10.0
LD50 (oral, rat):	375 mg/kg	
LD50 (dermal):	20,000 mg/kg	
LC50:	Not available	

SECTION (3): PHYSICAL DATA (Typical values. May vary from sample to sample)

Physical State: Liquid
Appearance and Odour: Clear liquid with no specific odour.
Boiling Point: Not Determined

SECTION (3): PHYSICAL DATA (cont'd)

Specific Gravity:	1.3
Solubility in Water:	Soluble
pH:	1.4
Odour Threshold:	Not Determined
Vapour Pressure:	Not Determined
Vapour Density:	Not Determined
Evaporation Rate:	Not Determined
Freezing Point:	Not Determined
Coefficient of Water/Oil Distribution:	Greater than 1.0

SECTION (4): FIRE AND EXPLOSION HAZARD DATA

Flash Point (Closed cup):	None to boiling
Extinguisher Media:	Product not flammable
Special Fire Fighting Procedures:	Wear a NIOSH/MSHA approved self contained breathing apparatus in fire fighting situations.
Unusual Fire and Explosion Hazard:	Prolonged contact with reactive metals (mild steel, aluminum, zinc, etc.) may form flammable hydrogen gas.
Flammable Limits:	Not known
Auto-ignition Temperature:	Not known
Conditions of Flammability:	None
Explosion Data:	
Sensitivity to Mechanical Impact:	None
Sensitivity to Static Discharge:	None

SECTION (5): REACTIVITY DATA

Stability:	Stable under normal storage conditions.
Incompatibility (Materials to avoid):	Strong alkalis or metals like aluminum zinc, etc.
Hazardous Decomposition Product:	Carbon oxides, phosphorus oxides. Flammable hydrogen gas may be produced on prolonged contact with metals like aluminum, zinc.
Hazardous Polymerization:	Will not occur

SECTION (6): TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY INFORMATION:

Skin and eyes contact, inhalation.

Irritancy:

Corrosive to eyes, skin and respiratory system.

Effects of Accute Exposure to Product:

Corrosive: Product exposure will irritate and burn skin and eyes. Inhalation of vapours/mists may cause irritation of respiratory system and inflammation of the lungs, headaches, nausea and dizziness. Ingestion of undiluted product will be corrosive to digestive tract and may be fatal.

Effect of Chronic Exposure to Product:

Repeated exposure to concentrated product will cause skin damage. May cause blood disorders based on researched data (due to glycol ethers absorption through skin)

Exposure Limits:

See Section (2) under Hazardous Ingredients.

Sensitization to Product:

Sensitization may occur in sensitive individuals.

Carcinogenicity:

None known

Reproductive Toxicity:

None known

Teratogenicity:

None known

Mutagenicity:

None known

Name of Toxicologically Synergistic Product:

None known

SECTION (7): PREVENTATIVE MEASURES

Respiratory Protection:

Use a NIOSH/MSHA approved acid gas respirator for vapors and dust/mist respirator for misting or spraying operations.

Ventilation:

Good general ventilation or local exhaust ventilation for dust, spray or mist generated in confined areas.

Protective Gloves:

Natural or butyl rubber, nitrile or neoprene gloves.

Eye Protection:

Safety goggles or glasses.

Disposal Procedures for Spills or Leaks:

Wear protective equipment. Dike and contain large spills. Pump spill into an approved waste container. For small spills soak up with a suitable absorbent and dispose into an approved waste container. Keep material away from sewers and natural waters.

SECTION (7): PREVENTATIVE MEASURES (cont'd)

Waste Disposal Method:

Reuse if possible or otherwise dispose recovered material in accordance with all local, provincial or federal regulations.

Other Precautions:

Use good industrial hygiene. Avoid contact with skin, eyes and clothing. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with other chemicals. Store at temperatures below 30° C and keep from freezing.

SECTION (8): FIRST AID PROCEDURES

<u>EYES:</u>	Flush with plenty of water for 15 minutes. Get medical attention.
<u>SKIN:</u>	Wash well with plenty of water for 15 minutes. If skin irritation develops contact a physician.
<u>INHALATION:</u>	Remove to fresh air.
<u>INGESTION:</u>	Give plenty of water to drink. Do not induce vomiting. Call a physician.

SECTION (9): PREPARATION DATA

Prepared by Technical Advisory Services.

Date: November 28, 2006

Revised: July 4, 2011

The information provided in this Material Safety Data Sheet has been obtained from sources believed to be reliable. **Maxim Chemical International Ltd.** provides no warranties for the accuracy or completeness of the data contained herein.

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