

# RDO GOLD

## APEX ENGINEERING PRODUCTS CORPORATION

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## MATERIAL SAFETY DATA SHEET REVISED SEPTEMBER 2006

### PRODUCT INFORMATION

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TRADE NAMES: RDO GOLD  
FORMULA: PROPRIETARY, CONFIDENTIALITY REQUIRED  
CHEMICAL FAMILY: DECALCIFIER FOR HISTOLOGICAL MATERIALS

### HAZARDOUS INGREDIENTS

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MATERIAL OR COMPONENT	TLV (p.p.m.)	PEL (p.p.m.)	APPROXIMATE %
HYDROGEN CHLORIDE, AQUEOUS	5	5	LESS THAN 10

**NOTE:** Material as a whole should be considered non-hazardous under normal use conditions. Laboratory tests indicate material to be **BIODEGRADABLE**. Non-reportable under Sara Title 3: Section 311/312/313 Categorization. Not reportable under CERCLA.

### PHYSICAL DATA

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BOILING POINT: 101°C. / +214°F.  
FREEZING POINT: -8°C. / +18°F.  
SOLUBILITY IN WATER: MISCIBLE  
SPECIFIC GRAVITY, (WATER=1): 1.022  
VAPOR PRESSURE: 30 TORR.  
VAPOR DENSITY, (AIR=1): GREATER THAN 1  
PERCENT VOLATILE BY VOLUME: 99.6  
APPEARANCE: TRANSLUCENT LIQUID  
ODOR: CHARACTERISTIC  
pH: UNREADABLE, GENERALLY <3  
EVAPORATION RATE, (WATER=1): SLOW

### FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT: NO FLASH POINT, EXTINGUISHES FLAME  
EXTINGUISHING MEDIA: DOES NOT SUPPORT COMBUSTION  
SPECIAL FIRE FIGHTING PROCEDURES: NONE-WATER WILL CONTROL, OR CO2/DRY CHEMICALS  
UNUSUAL FIRE & EXPLOSION HAZARDS: NON-COMBUSTIBLE AND NON-EXPLOSIVE. BREATHING APPARATUS RECOMMENDED IN FIRE SITUATION.

### HMIS

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HEALTH: 0  
FLAMMABILITY: 0  
REACTIVITY: 0  
PERSONAL PROTECTION: A

(continued)

## HEALTH HAZARD DATA

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<b>EFFECTS OF OVEREXPOSURE:</b>	SHOULD BE CONSIDERED NON-HAZARDOUS WHEN USED AS DIRECTED.
<b>EMERGENCY &amp; FIRST AID:</b>	IF EYE/SKIN CONTACT, COPIOUS WATER RINSE. CONSULT PHYSICIAN. NOT TO BE TAKEN INTERNALLY. IF INGESTED-DO NOT INDUCE VOMITING - DRINK MILK, EGG WHITES, ETC. AS DIRECTED BY PHYSICIAN.
<b>NOTE:</b>	ADVERSE EFFECTS ON HUMAN HEALTH ARE NOT EXPECTED FROM THE <b>RDO GOLD</b> SOLUTION, BASED UPON YEARS OF USE WITHOUT REPORTED ADVERSE HEALTH INCIDENCE IN DIVERSE POPULATION GROUPS.

## REACTIVITY DATA

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<b>STABILITY:</b>	STABLE
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	NONE
<b>HAZARDOUS POLYMERIZATION:</b>	WILL NOT OCCUR
<b>INCOMPATIBILITIES:</b>	HYDROGEN CHLORIDE AND FORMALDEHYDE GASES ARE REPORTED TO FORM A CARCINOGENIC COMPOUND, BISCHLOROMETHYL ETHER.

## SPILL AND DISPOSAL PROCEDURES

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<b>ACTION TO TAKE FOR SPILLS:</b>	RINSE WITH COPIOUS AMOUNTS OF WATER TO DILUTE: SODIUM BICARBONATE MAY ALSO BE USED TO SOAK UP AND NEUTRALIZE LIQUID, IF NECESSARY.
<b>DISPOSAL METHOD:</b>	EXPENDED OR USED MATERIAL MAY BE DISPOSED OF DOWN SANITARY DRAIN WITH WATER FLUSH. MATERIAL IS <b>BIODEGRADABLE</b> - IN AS RECEIVED FORM.

## SPECIAL HANDLING INFORMATION

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<b>VENTILATION:</b>	USE EXHAUST HOOD WHEN WORKING WITH HIGH VAPOR CONCENTRATIONS OF FORMALDEHYDE.
<b>RESPIRATORY PROTECTION:</b>	NONE
<b>PROTECTIVE GLOVES:</b>	ONLY FOR THOSE WITH SENSITIVE OR DRY SKIN.
<b>EYE PROTECTION:</b>	RECOMMENDED, SUCH AS SAFETY GOGGLES.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	AS RECOMMENDED BY SAFETY DEPARTMENT. TO PREVENT STAINING OF CLOTHES, WEAR AN APRON.

## SPECIAL PRECAUTIONS

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<b>HANDLING AND STORING:</b>	PRESERVE INTEGRITY OF CONTAINER.
<b>OTHER PRECAUTIONS:</b>	PLEASE USE MATERIAL ONLY AS DIRECTED. SOME ADVERSE REACTIONS MAY OCCUR WITH SOME ALLOYS OF ALUMINUM, MAGNESIUM, CHROME, AND/OR ZINC.

**FOR ADDITIONAL INFORMATION, PLEASE CONTACT OUR OFFICES AT 800-451-6291.**

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