

# RDO GOLD

## APEX ENGINEERING PRODUCTS CORPORATION

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## MATERIAL SAFETY DATA SHEET REVISED AUGUST 2009

### 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.

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HEALTH:	0
FLAMMABILITY:	0
PHYSICAL HAZARD:	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, BIS(CHLOROMETHY)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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