

**Reusche & Co.®**

a division of

Trans World Supplies, Inc.

MATERIAL SAFETY DATA SHEET

PRODUCT: Liquid
REVISION NUMBER: 1**REVISION DATE:** 9/24/2007
Date Printed: 9/24/2007

1. PRODUCT AND COMPANY IDENTIFICATION

DISTRIBUTED BY: Reusche & Co. of T.W.S., Inc.
1299 H Street
Greeley, CO 80631
Prod Info 970-346-8577
CHEMTREC 800-424-9300

Use the CHEMTREC telephone number only in the event of chemical emergencies.

PREPARED BY: Jaime Roberts
Records Administration

PRODUCT CODE: RM600

PRODUCT TRADE NAME: RM600 COPPER

CAS NO: Mixture
CHEMICAL FAMILY: Decorative Coating
PRODUCT TYPE: Precious Metal Coating

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS-

INGREDIENTS/SYMBOLS CAS#	CONCENTRATION EC-No.	R-pharse(s)
Turpentine/Xn,N 8006-64-2	20%-30% 232-350-7	R10, R20/21/22, R36/38, R43, R65, R51/53
Gold Resinates 68990-27-2	10%-12.5% 273-589-7	R52/53
Sn-benzoat.Naphthenat.Resinate 90583-80-5	7%-10% 292-283-4	NE
Terpineol/ Xi 8000-41-7	5%-7% 232-268-1	R38
Rosin/Xi 8050-09-7	1%-3% 232-475-7	R43
Toluene/F, Xn 108-88-3	1%-3% 203-625-9	R11, R38, R48/20, R63, R65, R67
Bornan-2-One 76-22-2	1%-3% 200-945-0	NE
1-Methoxy-2-Propanol 107-98-2	1%-3% 203-539-1	R10

PRODUCT TRADE NAME: RM600 COPPER

3. HAZARDS IDENTIFICATION

Flammable.

Irritating to eyes and skin.

May cause sensitization by skin contact.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Harmful: may cause lung damage if swallowed.

4. FIRST AID MEASURES

General advice

Remove contaminated or saturated clothing.

Bring affected person out of danger area. Place person on side in stable position if unconscious.

Employ mouth-to-mouth resuscitation if breathing ceases.

Inhalation

Take affected persons out into the fresh air.

Skin contact

Wash off immediately with soap and plenty of water.

Remove contaminated or saturated clothing.

Eye contact

With eye held open, thoroughly rinse immediately with plenty of water for at least 10 minutes.

Ingestion

If symptoms persist, call a physician.

Have patient drink plenty of water in small sips.

Do not induce vomiting; contains petroleum distillates and/or aromatic solvents.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water (spray jet), mist, special quenching powder, quenching foam (use large amount of foam as it will be partially destroyed), carbon dioxide.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards during fire fighting

May be released in case of fire: flammable smoldering gases.

When heated, formation of explosive vapor/air mixtures.

Special protective equipment for fire-fighters

Employ protective equipment commonly used in the event of fire.

Further information

Water used to extinguish fire should not enter drainage systems, soil, or stretches of water.

Ensure there are sufficient retaining facilities for water used to extinguish fire. Contaminated fire-extinguishing water must be disposed of in accordance with the regulations issued by the appropriate local authorities.

In case of fire, remove the endangered containers and bring to a safe place, if this can be done safely.

PRODUCT TRADE NAME: RM600 COPPER

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Remove all sources of ignition.
Wear personal protective equipment; see section 8
Ensure adequate ventilation.

Environmental precautions

Avoid penetration into drainage system or in rooms situated at a lower level because of danger of explosion.
Prevent penetration into soil, stretches of water and drainage systems.

Methods for cleaning up

Absorb with liquid-binding material (e.g. inert absorbent kieselguhruniversal binder) pick up.

Additional advice

Dispose of contaminated material as waste in accordance with section 13.

7. HANDLING AND STORAGE

HANDLING

Safe handling advice

Do not breathe in vapors or aerosols.
Keep away from sources of ignition—No smoking.

Advice on protection against fire and explosion

Highly volatile substances may be released during processing; therefore avoid sources of Ignition.
Take measures to prevent the build up of electrostatic charge.

STORAGE

Requirements for storage areas and containers

Fumes may be released in closed storage rooms or during processing. Store in a dry place at room temperature.

Further information

Product is water-pollutive. Observe the national and local regulations concerning handling and storage.

Advice on common storage

Keep away from food, drink and animal feeding stuffs.
Keep away from tobacco products

PRODUCT TRADE NAME: M600 COPPER

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures

Eventual aspiration in case of solvent fumes. Technical protection measures have always priority over personal protection equipment.

Take precautionary measures against static discharges. Earthing of equipment.

If possible, use material transfer/filling, metering and blending plants that are closed.

Occupational exposure controls

Personal protective equipment

Respiratory protection

Ensure suitable suction/aeration at the work place and with operational machinery.

If workplace exposure limit is exceeded apply respirator with brown A-type filter.

Hand protection

Wear protective gloves made of the following materials: nitrile rubber.

Eye protection

Wear basket-shaped glasses or safety goggles with side-shields.

Skin and body protection

When handling larger quantities: rubber apron, plastic apron.

Safety shoes

Hygiene measures

Wash hands before breaks and immediately after handling the product.

Protective measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	Liquid
Color	Red
Odor	Characteristic

Safety data

Physical state	Liquid	
Flash Point	96°F	DIN 51755 Part 1
Lower explosion limit	0,6 %(V)	
Upper explosion limit	13,8 %(V)	
Water solubility	Insoluble	

PRODUCT TRADE NAME: RM600 COPPER**10. STABILITY AND REACTIVITY**

Conditions to avoid	No dangerous reaction known under conditions of normal use.
Materials to avoid	Strong oxidant
Hazardous decomposition products	None known.

11. TOXICOLOGICAL INFORMATION

Skin irritation	Irritating to eyes and skin In the case of skin irritation or allergic reactions see a physician. Frequent and continual skin contact can cause skin reaction (skin Irritation/skin sensitization).
Eye irritation	Vapor during processing may be irritating to the respiratory tract and to the eyes.
Sensitization	Causes sensitization.
No results of animal experiments with the product available.	

Acute oral toxicity

Turpentine, oil	LD50 rat: 5.760,00 mg/kg
Terpineol	LD50 rat: 4.300,0 mg/kg
Toluene	LD50 rat: 636,00 mg/kg
1-methoxy-2-propanol	LD50 rat: >5.900,00 mg/kg

Acute inhalation toxicity

Toluene	LC50 rat: 49,00 mg/l / 4 h
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Acute dermal toxicity

Terpineol	LD50 rabbit: >3.000,00 mg/kg
Toluene	LD50 rabbit: 12.124,00 mg/kg
1-methoxy-2-propanol	LD50 rabbit: 11.000,00 mg/kg

12. ECOLOGICAL INFORMATION**Persistence and degradability**

Biodegradability	No data available
Physico-chemical removability	No data available

Ecotoxicity effects	Specific information for this product is not available.
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Toxicity to fish

Toluene	LC50 Fish: 13,00 mg/l / 96 h
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Toxicity to daphnia

Toluene	EC50 Daphnia: 11,50 mg/l / 48 h
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Toxicity to algae

Toluene	IC50 Algae: 12,00 mg/l / 72h
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Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

PRODUCT TRADE NAME: RM600 COPPER**13. DISPOSAL CONSIDERATIONS****Product**

Do not contaminate ponds, waterways or ditches with chemical or used container.

Do not dispose of waste into sewer.

Dispose of as special waste in compliance with local and national regulations.

In agreement with the waste code must be determined regional waste disposal authority or company.

Uncleaned packaging

Dispose of as unused product

If there is product residue in the emptied container, follow directions for handling on the container's label.

14. TRANSPORT INFORMATION

DOT Shipping Name: PAINT RELATED MATERIAL

DOT HAZARD CLASS: 3

DOT LABEL (S): FLAMMABLE LIQUID

UN/NA NUMBER: UN1263

PACKING GROUP: PG III

15. REGULATORY INFORMATION**Labeling according to EC Directives**

Statutory basis/list 1999/45/EC

Hazard-defining component(s)

Turpentine, oil

Rosin

Symbol(s)	Xn	Harmful
R-Phrase(s)	R10	Flammable
	R36/38	Irritating to eyes and skin
	R43	May cause sensitization by skin contact
	R52/53	Harmful to aquatic organisms, may cause Long-term adverse effects in the aquatic environment.
S-Phrase(s)	R65	Harmful: may cause lung damage if swallowed.
	S24	Avoid contact with skin.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S37	Wear suitable gloves
	S60	This material and its container must be disposed of as hazardous waste.
	S62	If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
Major Accident Hazard Legislation	96/82/EC listing:	Update 2003 Flammable. (6)

PRODUCT TRADE NAME: RM600 COPPER

16. OTHER INFORMATION

Risk phrase (R phrase) texts

Turpentine, oil

R10	Flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R36/38	Irritating to eyes and skin.
R43	May cause sensitization by skin contact.
R65	Harmful: may cause lung damage if swallowed.
R51/53	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Gold resonates, sulfurized

R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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Terpineol

R38	Irritating to skin.
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Rosin

R43	May cause sensitization by skin contact.
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Toluene

R11	Highly flammable
R38	Irritating to skin.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63	Possible risk of harm to the unborn child.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapors may cause drowsiness and dizziness.

1-methoxy-2-propanol

R10	Flammable.
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16. FURTHER INFORMATION

This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

***** END OF MSDS *****