



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: RS901

PRODUCT TRADE NAME: RS901 GREEN SPOT HALO

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-phrase(s)
Dichloromethane/Xn 75-09-2	50%-100% 200-838-9	R40
Xylene/Xn 1330-20-7	20%-30% 215-535-7	R10, R20/21, R38
Turpentine Oil/Xn,N 8006-64-2	1%-3% 232-350-7	R10, R20/21/22, R36/38, R43, R65, R51/53
Cobalt bis(2-ethylhexanoate)/Xn,N 136-52-7	0,5%-1% 205-250-6	R22, R43, R50/53

PRODUCT TRADE NAME: RS901 GREEN SPOT HALO

3. HAZARDS IDENTIFICATION

Harmful by inhalation and in contact with skin.

Irritating to skin.

Limited evidence of a carcinogenic effect.

May cause sensitization by skin contact.

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

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

In the case of fire, the following hazardous smoke fumes may be produced: chlorine, hydrogen chloride.

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 self-contained breathing apparatus.

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.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear personal protective equipment; see section 8
Ensure adequate ventilation.

Environmental precautions

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.

Advice on protection against fire and explosion

No data available.

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

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures

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

Avoid contact with skin, eyes and clothing.

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	Brown
Odor	Characteristic

Safety data

Physical state	Liquid
Lower explosion limit	0,8 %(V)
Upper explosion limit	25 %(V)
Water solubility	Insoluble

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10. STABILITY AND REACTIVITY

Conditions to avoid	Avoid temperatures above 120° C
Materials to avoid	Strong oxidant
Hazardous decomposition products	Information referring to dichloromethane: If heated, decomposition and possible development of phosgene, hydrogen chloride gas, carbon monoxide and chlorine gas.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Harmful by inhalation. Harmful in contact with skin.
Chronic toxicity/Subacute toxicity	May cause cancer
Skin irritation	Irritating to 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	Not known.
Sensitization	Causes sensitization

No results of animal experiments with the product available.

Acute oral toxicity

Turpentine, oil	LD50 rat: 5.760,00 mg/kg
Xylene	LD50 rat: 4.300,00 mg/kg
Dichloromethane	LD50 rat: 2.136 mg/kg

Acute inhalation toxicity

Xylene	LC50 rat: 6.350,00 mg/l / 4 h
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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.

Toxicity to fish

Dichloromethane	LC50 Fish: 237-626 mg/l / 48 h
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Toxicity to daphnia

Dichloromethane	EC50 Daphnia: 220 mg/l / 48 h
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Further information on ecology

Further Information	Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
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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: DICHLOROMETHANE SOLUTION

DOT HAZARD CLASS: 6.1

DOT LABEL (S): DICHLOROMETHANE SOLUTION

UN/NA NUMBER: UN1593

PACKING GROUP: PG III

15. REGULATORY INFORMATION

Labeling according to EC Directives

Statutory basis/list 1999/45/EC

Hazard-defining component(s)

Dichloromethane

Xylene

Turpentine oil

Symbol(s) Xn Harmful

R-Phrase(s)

R20/21 Harmful by inhalation and in contact with skin.

R38 Irritating to skin

R40 Limited evidence of a carcinogenic effect.

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)

S23 Do not breathe vapors.

S24/25 Avoid contact with skin and eyes.

S36/37 Wear suitable protective clothing and gloves.

S60 This material and its container must be disposed of as hazardous waste.

Exceptional labeling of special preparations Can become flammable in use.

Major Accident Hazard

96/82/EC Update 2003

Legislation

listing: Directive 96/82/EC does not apply.

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16. OTHER INFORMATION

Risk phrase (R phrase) texts

Dichloromethane

R40 Limited evidence of a carcinogenic effect.

Xylene

R10 Flammable

R20/21 Harmful by inhalation and in contact with skin.

R38 Irritating to skin.

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.

Cobalt bis(2-ethylhexanoate)

R22 Harmful if swallowed.

R43 May cause sensitization by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse Effects in the aquatic environment.

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 *****