


PBC7042H

 Page 1 of 5
 Revised 7/03/03
 Replaces 6/25/02
 Printed 7/03/03

Section I (General Information)
MANUFACTURER'S NAME:

 Johnson Matthey Inc.
 Colours and Coatings Division

EMERGENCY TELEPHONE NUMBER:

 Regulatory Information: (610) 873-3200 (Weekdays 8:00am-5:00pm EST)
 Emergency Telephone: (856) 384-7000 (24 hrs.)

ADDRESS (NUMBER, STREET, CITY, STATE, ZIP):

498 Acorn Lane, Downingtown, PA 19335

CHEMICAL NAME AND SYNONYMS:

Brushing Bright Palladium

GARE LIQUID BRIGHT PALLADIUM
TRADE NAME AND SYNONYMS:

PBC7042/H

CHEMICAL FAMILY:

Mixed resins, solvents and organo-metallic compounds

FORMULA:

Proprietary

DATE OF PREPARATION:

5/10/94

PREPARED BY:

Environmental, Health and Safety Technician

DISCLAIMER:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgements of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Section II - Hazardous Ingredients

NAME	WT%	CAS#	ACGIH TLV	OSHA PEL
*Aromatic Hydrocarbon TSRN 80100419-5011p	1-5	-----	0.2 ppm	0.2 ppm
*Organo Chromium Cmpd. (as Cr)	<1	-----	0.5 mg/m3	0.5 mg/m3
Perchloroethylene	25-30	127-18-4	50 ppm	100 ppm
Turpentine	1-5	8006-64-2	100 ppm	100 ppm
Xylene	5-10	1330-20-7	100 ppm	100 ppm

(C) Ceiling Limit Value

* Withheld as a trade secret.

Section III - Physical Data
BOILING POINT(INDICATE IF "F" OR "C"):

Not applicable

VAPOR PRESSURE(mm Hg):

Not applicable

VAPOR DENSITY (AIR = 1):


MATERIAL SAFETY DATA SHEET

PBC7042H

Page 2 of 5
Revised 7/03/03
Replaces 6/25/02
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Section III - Physical Data (Cont.)

Heavier than air
SPECIFIC GRAVITY (H₂O=1):
Greater than Water
PERCENT VOLATILE BY VOLUME (%):
Not less than 70%
EVAPORATION RATE (BuAc = 1):
Slower than Butyl Acetate
SOLUBILITY IN WATER:
Insoluble
APPEARANCE AND ODOR:
Dark brown liquid with solvent odor.

Section IV - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED):
132 F (Setaflash Closed Cup)
EXTINGUISHING MEDIA:
Carbon Dioxide, Dry Chemical or Chemical Foam. Water may be ineffective, but may be used to cool exposed containers.
SPECIAL FIRE FIGHTING PROCEDURES:
Fire fighters should wear Self Contained Breathing Apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Toxic fumes of metals and vapors may be evolved in a fire.

Section V - Health Hazard Data

PRIMARY ROUTES OF EXPOSURE:
Skin: Yes Eyes: No Inhalation: Yes Ingestion: No
TOXICOLOGICAL INFORMATION:
There is no specific toxicological data available for this preparation. Any toxicological information is based on individual components that make up this material.
TARGET ORGAN EFFECTS:
Aromatic Hydrocarbon-Liver, skin, Central Nervous System, eyes, upper respiratory system, eyes.
Chromium Cmpds.-Skin
Perchloroethylene-Liver, kidney, eyes, upper respiratory system, central nervous system
Turpentine-Skin, eyes, kidneys, respiratory system.
Xylene-Central Nervous System, eyes, GI tract, blood, liver, kidneys, skin.
CARCINOGENICITY STATUS:
The following chemical(s) are listed as carcinogens by NTP, IARC, OSHA or all:
Perchloroethylene (IARC,NTP)
EFFECTS OF OVEREXPOSURE:
Eyes: Short term liquid or vapor contact may result in slight eye irritation. Prolonged and repeated contact may be more irritating.
Skin: Prolonged and repeated liquid contact can cause defatting and drying of the skin, which may result in skin irritation and dermatitis.
Inhalation: Solvents can act as Central Nervous System depressants,



MATERIAL SAFETY DATA SHEET

PBC7042H

Page 3 of 5
Revised 7/03/03
Replaces 6/25/02
Printed 7/03/03

Section V - Health Hazard Data (Cont.)

exhibiting narcotic and anesthetic effects. Overexposure to some of these components may cause headaches, nausea, vomiting, drowsiness, diarrhea, liver and kidney damage.

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation: Remove from exposure to fresh air. Give artificial respiration if not breathing. If breathing is difficult, give oxygen. Contact a physician immediately.

Skin: Remove contaminated clothing and wash skin with soap and water. Wash or clean before reuse.

Eyes: Rinse with clean water or saline solution for at least 15 minutes. Seek medical advice if irritation persists.

Ingestion: Rinse mouth with water and give water or milk to drink. Do not induce vomiting. Do not give anything to an unconscious person. Contact a physician.

Section VI - Reactivity Data

STABILITY (choose one): () UNSTABLE
(x) STABLE

CONDITIONS TO AVOID:

Avoid heating substance where it may be inhaled, open flames, oxidizers and sources of ignition. Solvent vapors are heavier than air and can accumulate, travel to sources of ignition and flash back.

INCOMPATIBILITY (MATERIALS TO AVOID):

Oxidizers such as chlorates, perchlorates, permanganates, and nitrates.

If the preparation comes into contact with ammonia, explosive gold compounds may be formed. Ammoniacal gold solutions should never be stored.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon dioxide, carbon monoxide, hydrochloric acid, oxides of sulfur and carbonaceous fumes.

HAZARDOUS POLYMERIZATION (choose one): () MAY OCCUR
(x) WILL NOT OCCUR

Section VII - Spill or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Use appropriate personal protective equipment during clean up operations. Promptly absorb spill using inert materials such as sand, vermiculite or sawdust. Remove all sources of ignition and prevent from entry into drains and waterways. If a Reportable Quantity is exceeded for any ingredients, contact the National Response Center.

WASTE DISPOSAL METHOD:

Follow all Federal, State and Local regulations for removal and disposal.

Section VIII - Special Protection Information

RESPIRATORY PROTECTION (SPECIFY TYPE):

A NIOSH/MSHA approved respirator with Organic Vapor cartridge represents the minimum level of protection. See OSHA 29 CFR 1910.134 for respirator fit, selection and use.



MATERIAL SAFETY DATA SHEET

PBC7042H

Page 4 of 5
Revised 7/03/03
Replaces 6/25/02
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Section VIII - Special Protection Information (Cont.)

VENTILATION:

LOCAL EXHAUST: Recommended

MECHANICAL (GENERAL): Acceptable for small quantities

PROTECTIVE GLOVES:

Solvent impermeable gloves

EYE PROTECTION:

Safety glasses or goggles

OTHER PROTECTIVE EQUIPMENT:

Eye bath and safety shower

Section IX - Special Precautions

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Store in sealed containers in cool, dry place. Keep away from heat and sources of ignition.

OTHER PRECAUTIONS:

Do not eat, drink or smoke while using this material. Follow good industrial hygiene practices.

Section X - Regulatory Information

REGULATORY INFORMATION:

TSCA Status: All components are on Inventory

SARA Title III Section 313 Reportable Chemicals:

Chromium Compounds

Perchloroethylene

Xylene

Silver Compounds (<1%)

This product contains one or more components which are subject to government restrictions concerning use. Therefore, this product is to be used only for the applications specified below:

1. Ceramic decorative paint for use in the pottery, glass or ceramic industry.
2. Electronic circuitry.

Should you resell this product to a processor or industrial user, advise them of this restriction.

Section XI - Right-to-Know Information

RIGHT-TO-KNOW INFORMATION:

Component	CAS#
Aromatic Hydrocarbon	-----



MATERIAL SAFETY DATA SHEET

PBC7042H

Page 5 of 5
Revised 7/03/03
Replaces 6/25/02
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Section XI - Right-to-Know Information (Cont.)

TSRN 80100419-5011p	
Chromium compound	-----
Perchloroethylene	127-18-4
Pine Oil	8002-09-3
Stoddard Solvent	8052-41-3
Turpentine	8006-64-2
Xylene	1330-20-7
Resin TSRN 80100419-5001p	-----
Organo Gold Compound	
TSRN 80100419-5006p	-----
Sulfurized Terpeneol & Turpentine	72828-31-0

California Proposition 65:
Perchlororoethylene is known to the State of California to cause cancer.

Section XII - References

REFERENCES:

Barclays California Code of Regulations.
NIOSH Pocket Guide to Chemical Hazards.
The Sigma Aldrich Library of Regulatory and Safety Data.
29 CFR 1910.1000, Z-tables.
ACGIH TLV for Chemical Substances and Physical Agents.

