

MATERIAL SAFETY DATA SHEET

Rhodium Powder -325 Mesh



HMIS

| | |
|---------------------|---|
| HEALTH | 2 |
| FLAMMABILITY | 3 |
| REACTIVITY | 0 |
| PERSONAL PROTECTION | G |

1. Product And Company Identification

Supplier

DF Goldsmith Chemical and Metal
909 Pitner Avenue
Evanston, IL 60202, USA

Telephone Number: 847-869-7800

FAX Number: 847-869-2531

E-mail: goldchem@aol.com

Web Site: www.dfgoldsmith.com

Manufacturer

DF Goldsmith Chemical and Metal
909 Pitner Avenue
Evanston, IL 60202, USA

Telephone Number: 847-869-7800

FAX Number: 847-869-2531

E-mail: goldchem@aol.com

Web Site: www.dfgoldsmith.com

Supplier Emergency Contacts & Phone Number

Chemtrac: 800-424-9300

Supplier Emergency Contacts & Phone Number

Chemtrac: 800-424-9300

Issue Date: 11/15/2007

Product Name: Rhodium Powder -325 Mesh

Chemical Name: Rhodium Powder

CAS Number: 7440-16-6

Chemical Family: metal or element

Chemical Formula: Rh

MSDS Number: 45-009

Product Code: 45-009

2. Composition/Information On Ingredients

| Ingredient Name | CAS Number | Percent Of Total Weight |
|-----------------|------------|-------------------------|
| Rhodium Powder | 7440-16-6 | 99.8 - 100 |

EMERGENCY OVERVIEW

Flammable. Irritating to the eyes, respiratory system and skin.

Hazards Identification (Pictograms)



MATERIAL SAFETY DATA SHEET

Rhodium Powder -325 Mesh

3. Hazards Identification

Primary Routes(s) Of Entry

Eye: Likely
Skin: Likely
Ingestion: Likely
Inhalation: Likely

Eye Hazards

Irritation.

Skin Hazards

Irritation. May be harmful if absorbed through the skin.

Ingestion Hazards

May be harmful if swallowed.

Inhalation Hazards

May be harmful if inhaled. Irritating to the upper respiratory system and mucous membranes.

Conditions Aggravated By Overexposure

4. First Aid Measures

Eye

Flush for 15 minutes with copious amounts of water. If discomfort occurs or persists, contact a physician immediately.

Skin

Immediately wash skin with soap and copious amounts of water. If discomfort occurs or persists, contact a physician immediately. Remove contaminate clothing and shoes, and wash before use.

Ingestion

If swallowed, wash mouth out with water provided the person is conscious. Never give anything by mouth to an unconscious person. Contact a physician immediately.

Inhalation

Remove to fresh air immediately. If victim is not breathing provide artificial respiration. If breathing is difficult provide oxygen. Contact a physician immediately.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: NA °C
Autoignition Point: NA °C
Flammability Class: NA

Fire And Explosion Hazards

Use proper safety equipment. Material is capable of creating a dust explosion. Flammable solid. Emits toxic fumes under fire conditions.

MATERIAL SAFETY DATA SHEET

Rhodium Powder -325 Mesh

5. Fire Fighting Measures (cont.)

Extinguishing Media

Dry Chemical powder

Fire Fighting Instructions

Use NIOSH/ANSI approved self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

Sweep or soak up and place in sealed container for reclamation or disposal, taking care to avoid dusting. Person protected with full face shield and NIOSH approved respirator and cartridge for dust. Ventilate area and wash spill site after pick-up is complete.

7. Handling and Storage

Handling Precautions

Do not breath dust, and avoid contact with eyes, skin, and clothing.

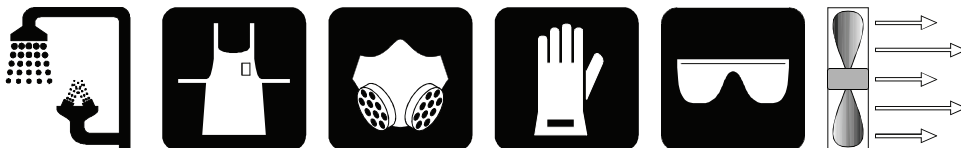
Storage Precautions

Store in a tightly sealed container away from heat, sparks, and open flame.

Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

Protective Clothing (Pictograms)



8. Exposure Controls/Personal Protection

Engineering Controls

Ventilation: Local Exhaust: Required in handling area
Mechanical: Desirable to insure concentration of material below TLV/TWA levels
Other: Closed Ventilation system - Dust (Laboratory Fume hood)

Eye/Face Protection

ANSI approved safety glasses/goggles

Skin Protection

Rubber/Neoprene (use compatible chemical-resistant gloves).

Respiratory Protection

NIOSH approved chemical cartridge respiratory for particulates and acid gas or self-contained breathing apparatus with full face shield.

Other/General Protection

Lab coat/apron, flame and chemical resistant protective clothing, eye wash, safety shower, and hygiene facilities for washing.

Ingredient(s) - Exposure Limits

Rhodium Powder
ACGIH (TWA) 1mg/m³ (as Rh) and OSHA (PEL) 0.1mg/m³ as Rh-insoluble)

MATERIAL SAFETY DATA SHEET

Rhodium Powder -325 Mesh

9. Physical And Chemical Properties

Appearance

Light gray powder

Odor

none

Chemical Type: Pure

Physical State: Solid

Melting Point: NA °C

Boiling Point: 6014.4 °F 3727 °C

Specific Gravity: 12.41

Molecular Weight: Rh 102.91

Solubility: Insoluble

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: No polymerization

Conditions To Avoid (Stability)

None

Incompatible Materials

Strong oxidizing agents, halogens, chlorine trifluoride, oxygen difluoride.

Hazardous Decomposition Products

None

Conditions To Avoid (Polymerization)

None

11. Toxicological Information

Chronic/Carcinogenicity

This product contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

ACGIH Carcinogen List

Rating: A4

To the best of our knowledge the chemical, physical and toxicological effects have not been thoroughly investigated.

12. Ecological Information

No Data Available...

13. Disposal Considerations

Consult Federal EPA, State and local regulations for proper disposal/recycle/reclamation

NOTE: Chemical additions, processing, or otherwise altering this material may make the waste management information presented above incomplete, inaccurate, or otherwise inappropriate.

MATERIAL SAFETY DATA SHEET

Rhodium Powder -325 Mesh

14. Transport Information

Proper Shipping Name

Metal Powder, Flammable, N.O.S.

Hazard Class

4.1

DOT Identification Number

3089

DOT Shipping Label

Flammable solid

Packaging Requirements

II

Additional Shipping Paper Description

IATA: Same as DOT. Always consult IATA regulations before shipping.

DOT (Pictograms)

15. Regulatory Information

U.S. Regulatory Information

TSCA listed.

Canadian Regulatory Information

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: Yes

NDSL: No

European Union (EU) Regulatory Information

Symbol of Danger: F Xi

Indication of Danger: Highly Flammable. Irritant

R: 11 s of ignition - no smoking. Do not breathe dust and avoid contact with skin and eyes.

DSCL - Europe (Pictograms)

MATERIAL SAFETY DATA SHEET

Rhodium Powder -325 Mesh

16. Other Information

NFPA Rating

Health: 2

Fire: 3

Reactivity: 0

HMIS Rating

Health: 2

Fire: 3

Reactivity: 0

Personal Protection: G

Revision/Preparer Information

MSDS Preparer: DF Goldsmith Chemical and Metal

MSDS Preparer Phone Number: 847-869-7800

This MSDS Supersedes A Previous MSDS Dated: 03/15/1998

Disclaimer

In compliance with the OSHA Hazard Communication Standard, 29 C.F.R 1910.1200, we are providing you with a Materials Safety Data Sheet (MSDS) for the hazardous material you are purchasing.

It is your responsibility to educate your employees on the safe use of the hazardous material. With this in mind, a copy should be forwarded to the supervisor of the user or to the user themselves, and copy should be retained in your files for future reference.

DF Goldsmith Chemical and Metal makes no presentation as to the accuracy of the information in the MSDS. The information is believed to be correct; however, you (the customer), should perform your own investigation and independent verification. If you resell the product, you are responsible to forward the information in the MSDS to your customer.

MATERIAL SAFETY DATA SHEET

Rhodium Powder -325 Mesh



MATERIAL SAFETY DATA SHEET

Rhodium Powder -325 Mesh

