


MATERIAL SAFETY DATA SHEET

Iridium (IV) Oxide

NFPA 	HMIS <table border="1"><tr><td>HEALTH</td><td style="text-align: center;">1</td></tr><tr><td>FLAMMABILITY</td><td style="text-align: center;">0</td></tr><tr><td>REACTIVITY</td><td style="text-align: center;">0</td></tr><tr><td>PERSONAL PROTECTION</td><td style="text-align: center;">J</td></tr></table>	HEALTH	1	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	J
HEALTH	1								
FLAMMABILITY	0								
REACTIVITY	0								
PERSONAL PROTECTION	J								

1. Product And Company Identification

Supplier

Colonial Metals, Inc.
Building 20
505 Blue Ball Road
Elkton, MD 21921 United States

Company Contact: Joseph Fittos III
Telephone Number: 410-398-7200
FAX Number: 410-398-2918
E-Mail: jfittos@colonialmetals.com
Web Site: colonialmetals.com

Manufacturer

Colonial Metals, Inc.
Building 20
505 Blue Ball Road
Elkton, MD 21921 United States

Company Contact: Joseph Fittos III
Telephone Number: 410-398-7200
FAX Number: 410-398-2918
E-Mail: jfittos@colonialmetals.com
Web Site: colonialmetals.com

Supplier Emergency Contacts & Phone Number

Chemtrac: 800-424-9300
World Wide - Call COLLECT to U.S: 703-527-3887

Manufacturer Emergency Contacts & Phone Number

Chemtrac: 800-424-9300
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Issue Date: 05/07/2009

Product Name: Iridium (IV) Oxide
Chemical Name: Iridium (IV) Oxide Anhydrous/ Iridium Dioxide
CAS Number: 12030-49-8
Chemical Family: Platinum Group Metal Salts
Chemical Formula: IrO₂
MSDS Number: 3003
Product Code: 3003

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
Iridium (IV) Oxide	12030-49-8	99.9

EMERGENCY OVERVIEW

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

3. Hazards Identification

Primary Routes(s) Of Entry

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

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3. Hazards Identification - Continued

Eye Hazards

Irritation

Skin Hazards

Irritation. May be harmful if absorbed through the skin.

Ingestion Hazards

May be harmful if swallowed.

Inhalation Hazards

May cause irritation to the respiratory tract. May be harmful if inhaled.

First Aid (Pictograms)



4. First Aid Measures

Eye

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

Skin

Wash with soap and copious amounts of water. If discomfort occurs or persists, contact a physician immediately. Remove contaminated clothing and shoes and wash before reuse.

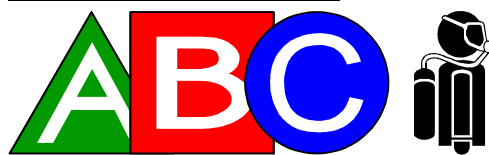
Ingestion

If swallowed wash out mouth with water provided victim 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. 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.

Extinguishing Media

Use media appropriate for surrounding fire conditions.

Fire Fighting Instructions

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

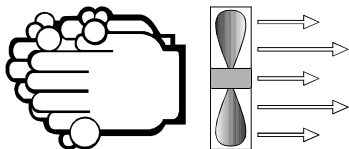
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6. Accidental Release Measures

Sweep or soak up and place in sealed container for disposal or reclamation. Person protected with full face shield and NIOSH approved respirator and cartridge for dust. Ventilate area and wash spill site after pick up is completed.

Handling & Storage (Pictograms)



7. Handling And Storage

Handling Precautions

Avoid contact with eyes, prolonged or repeated contact with skin. Avoid breathing dust. Ensure adequate ventilation.

Storage Precautions

Keep in a tightly sealed container in a cool, dry well-ventilated place.

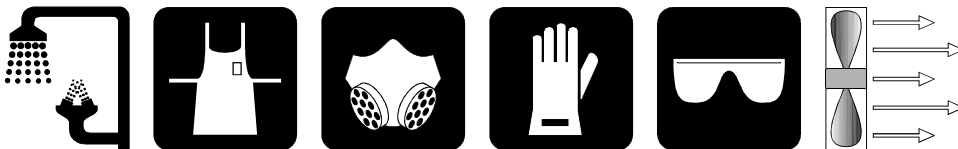
Work/Hygienic Practices

Use good personal hygiene. Wash thoroughly with soap and water after handling.

Other Precautions

0.01 ppm high efficiency particulate respirator/supplied air respirator/self-contained breathing apparatus; 0.2 ppm same as above with full face piece; 1 ppm powdered air purifying respirator with high efficiency filter/type C supplied air respirator operated in pressure demand mode. Store in a sealed container, plastic or plastic liner, in a cool, well ventilated, dry area away from volatile acids.

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)

Safety shower and eyewash

Eye/Face Protection

ANSI approved safety glasses/goggles

Skin Protection

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

Respiratory Protection

NIOSH approved chemical cartridge respirator for particulates and dust or self-contained breathing apparatus with full face shield.

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9. Physical And Chemical Properties

Appearance

Black powder

Chemical Type: Mixture

Physical State: Solid

Melting Point: 1100 (decomposes) °C

Specific Gravity: 3.15

Molecular Weight: 224.2

Solubility: Insoluble

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Not known.

11. Toxicological Information

To the best of our knowledge the chemical, physical and toxicological properties of this compound 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.

14. Transport Information

Proper Shipping Name

Considered non-hazardous for transport

Additional Shipping Paper Description

IATA: Same as DOT regulations. Consult IATA regulations before shipping.

15. Regulatory Information

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

16. Other Information

NFPA Rating

Health: 1

Fire: 0

Reactivity: 0

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16. Other Information - Continued

HMIS Rating

Health: 1

Fire: 0

Reactivity: 0

Personal Protection: J

Revision/Preparer Information

MSDS Preparer: Joseph J. Fittos III

MSDS Preparer Phone Number: 410-398-7200

This MSDS Supercedes A Previous MSDS Dated: 08/09/2001

Disclaimer

In compliance with the OSHA Hazard Communication Standard, 2.9 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.

Colonial Metals, Inc. 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.

Colonial Metals, Inc.

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