

MATERIAL SAFETY DATA SHEET Page 1 of 2

EMERGENCY CONTACT: The safety coordinator can be reached at (503) 374-9709 during business hours M-F (8:30 a.m. to 5:00 p.m. Pacific Time). Outside of normal business hours call and leave message. For medical emergencies contact local medical emergency providers.

SECTION I - SUBSTANCE IDENTIFICATION

Product Name: CIS™ MEDIA (RG brand name for iron sponge)
Revision Date: 09/18/2004
H.M.I.S. Rating: H=1, F=0, R=1, CR=1
Shipping Classification: Non-regulated, non-hazardous (no UN number needed)

SECTION II - COMPOSITION/INGREDIENTS

| Name, Formula, CAS Number | OSHA PEL | ACGIH | Other Limits Recommended | % By Weight (Nominal) |
|--|------------------------------|---------------------|--------------------------|-----------------------|
| Iron Oxide, Fe ₂ O ₃ , 1309-37-1 | 10 mg/m ₃ | 5 mg/m ₃ | 10 mg/m ₃ | 30 – 35 |
| Sodium Carbonate, Na ₂ CO ₃ , 497-19-8 | No TLV or others established | | | 1 – 10 |
| Calcium Carbonate, CaCO ₃ , 1317-65-3 | 15 mg/m ₃ | 5 mg/m ₃ | 10 mg/m ₃ | 1 – 10 |
| Water | -- | -- | -- | 40 – 50 |
| Wood Chips | -- | -- | -- | 15 – 20 |

SECTION III - PHYSICAL DATA

Description: Dark Brown solid (irregular pieces / particles).
Vapor Pressure: N/A.
Bulk Density: 0.7 TO 0.9 g/cc or 770 to 865 kg/m₃.
Solubility: Not soluble.
Flash Point: N/A.
Stability: Stable.
Incompatibility: None.
Conditions To Avoid: None.

SECTION IV - FIRE AND EXPLOSION HAZARDS

Flash Point: N/A.
Flammability: Non-flammable
Spontaneous Combustibility: N/A.
Extinguishing Media: Copious amounts of water.
Special Precautions: None.
Unusual Fire And Explosion Hazards: None.
Hazardous Decomposition Products: Carbon monoxide may be formed in the event of a fire.



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PRODUCT NAME: CIS™ MEDIA (RG brand name for iron sponge)

SECTION V - REACTIVITY DATA

Stability Stable Conditions to Avoid: Do Not Allow To Dry Out

SECTION VI - HEALTH HAZARD DATA

This product is non-toxic through ingestion. This material is non-toxic through skin absorption. This product is not a primary skin irritant. No sensitization effects are known. The physical nature of this product may irritate the respiratory system. The physical nature of this product may produce eye irritation.

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| Routes Of Entry: | Skin contact, inhalation ingestion (unlikely) |
| Health Hazards: | Skin contact may cause irritation. Inhalation of dust may cause temporary respiratory discomfort. |
| Carcinogenic Of Other Health Effects Of Long-Term Low Level Exposure: | None established |
| Signs And Symptoms Of Exposure: | None established |
| Medical Conditions Generally Aggravated by Exposure: | No consistent patterns have been established. |
| Emergency and First Aid Procedures: | None established. |
| Eye: | Flush thoroughly with water |
| Skin: | Wash with soap and water |
| Ingestion: | Give 2-3 glasses of water. Do not induce vomiting. Get immediate medical attention. If vomiting occurs, give more water. |
| Inhalation: | Remove to fresh air. Get medical attention if irritation develops. |

SECTION VII - HANDLING AND STORAGE

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| If Material Is Released Or Spilled: | Unused product should be swept up and discarded or repackaged. |
| Waste Disposal Method: | Unused product may be disposed of by any appropriate means, including land filling. All federal, state, and local regulations should be followed. |

SECTION VIII - CONTROL MEASURES

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| Eye Protection: | Safety glasses or goggles recommended. |
| Protective Gloves: | Recommended. |
| Other Protective Clothing: | Clothing should be worn to avoid exposure of skin. |
| Respiratory Protection: | NIOSH approved dust masks are recommended during handling. |
| Ventilation: | Local exhaust is recommended to control dust. |
| Work/Hygienic Practices: | Wash thoroughly with soap and water after handling. |

OTHER: This product, when dry can generate dust, which can be irritating. Product that has been stored for a long time can be dry and will require wetting before handling.

This MSDS does not apply to spent iron sponge media. Consult Robinson Group for safe handling practices on spent iron sponge media. At (503) 374-9709.