



**american gas & chemical co. ltd.**

220 PEGASUS AVE  
NORTHVALE, NEW JERSEY 07647  
201-767-7300, FAX 201-767-1741

# Safety Data Sheet

Issue Date: 13-Apr-2022

Revision Date: 21-Apr-2022

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Magnetic Powder, Dry

### Other means of identification

**SDS #** AGC-284

**Product Code** C28G, C28R, C28Y

**Other Information** Package type: 1lb plastic dispenser, 1 quart metal can, 1 gallon metal can

### Recommended use of the chemical and restrictions on use

**Recommended Use** Non-Destructive Testing

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

AMERICAN GAS & CHEMICAL COMPANY, LTD  
220 Pegasus Avenue  
Northvale NJ 07647

### Emergency Telephone Number

**Company Phone Number** Phone: 201-767-7300 Fax: 201-767-1741

**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Gray, Red, Yellow powder **Physical State** Solid **Odor** Odorless

### Classification

**Physical Hazards** Not classified

**Health Hazards** Not classified

**OSHA defined hazards** Combustible dust

### Label elements

**Hazard symbol** None

**Signal word** Warning

**Hazard statement** May form combustible dust concentrations in air.

### Precautionary statement

**Prevention** Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Prevent dust accumulation to minimize explosion hazard.

**Response** Remove and wash contaminated clothing before re-use. In case of fire: Use appropriate media for extinction.

**Storage** Store away from incompatible materials

**Disposal** Dispose of contents/containers in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** Not classified

**Supplemental information** Not applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### **Mixtures**

Chemical name	CAS number	%
Iron Powder	7439-89-6	>96

## 4. FIRST-AID MEASURES

### First Aid Measures

<b>General Advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	Wash eye with eye wash solution or clean water in eye wash cup with eyelids for 15-20 minutes. Obtain medical assistance as precaution.
<b>Skin Contact</b>	In case of contact, wash skin thoroughly with soap and water. If skin irritation persists, call a physician.
<b>Inhalation</b>	Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician if individual's condition declines or if symptoms persist.
<b>Ingestion</b>	If ingested, Rinse mouth. Get medical attention if symptoms occur.

### Most important symptoms and effects

<b>Symptoms</b>	Dust may cause eye, skin and respiratory irritation.
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### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Foam, dry chemical, CO<sub>2</sub>, water spray or fog.

**Unsuitable Extinguishing Media** Do not use water jet as an extinguisher, as this could spread the fire.

### Specific Hazards Arising from the Chemical

Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool exposed containers with water spray. Avoid breathing vapor or fumes.

<b>General Fire Hazards</b>	Heat may cause the containers to explode. May form combustible dust concentrations in air.
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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Keep unnecessary personnel away. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Use only non-sparking tools. Wear appropriate personal protective equipment. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.
<b>Methods and materials for containment and cleaning up</b>	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Large Spills: Sweep or shovel up material and place in a clearly labeled container for waste. Following product recovery, flush area with water. Small Spills: Collect dust using a vacuum cleaner equipped with HEPA filter. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
<b>Environmental Precautions</b>	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Explosion proof exhaust ventilation is recommended. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid prolonged exposure.

### Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep away from heat, sparks and open flame.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b><u>Exposure Guidelines</u></b>	No exposure limits noted for ingredient(s)
<b><u>Appropriate engineering controls</u></b>	Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
<b><u>Individual protection measures, such as personal protective equipment</u></b>	
<b>Eye/Face Protection</b>	Use splash goggles or face shield when contact may occur.
<b>Skin and Body Protection</b>	Use non-absorbent gloves, if needed, to avoid prolonged or repeated skin contact.
<b>Respiratory Protection</b>	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Solid	<b>Odor</b>	Odorless
<b>Appearance</b>	Gray, Red or Yellow powder	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Gray, Red, Yellow		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	2795°F (1535°C)	
Boiling Point/Boiling Range	Not determined	
Flash Point	None	
Evaporation Rate	Not relevant	
Flammability (Solid, Gas)	Not available	
Upper Flammability Limits	Not relevant	
Lower Flammability Limit	Not relevant	
Vapor Pressure	Not relevant	
Vapor Density	Not relevant	
Specific Gravity	2.5	@ 68°F
Water Solubility	Not soluble	
Solubility in other solvents	Not soluble	
Partition Coefficient	Not relevant	
Auto-ignition Temperature	Not relevant	
Decomposition Temperature	Not relevant	
Kinematic Viscosity	Not relevant	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Keep away from heat, sparks and open flame. Minimize dust generation and accumulation. Contact with incompatible materials.

### Incompatible Materials

Strong oxidizing agents.

### Hazardous Decomposition Products

No hazardous decomposition products are known.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	May cause irritation on eye contact.
<b>Skin Contact</b>	Prolonged contact may cause redness and irritation.
<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Ingestion</b>	May cause discomfort if swallowed. Expected to be a low ingestion hazard.

### Component Information

#### Information on physical, chemical and toxicological effects

<b>Symptoms</b>	Dust may cause eye, skin and respiratory tract irritation.
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#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
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<b><u>Numerical measures of toxicity</u></b>	Expected to be a low hazard for usual industrial or commercial handling by trained personnel.
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<b>Components</b>	<b>Species</b>	<b>Test Results</b>
<b>Iron Powder (CAS 7439-89-6)</b>		
<b>Acute Oral LD50</b>	Rat	30g/kg
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.	
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.	
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.	
<b>Specific target organ toxicity – single exposure</b>	Not classified.	
<b>Specific target organ toxicity – repeated exposure</b>	Not classified.	
<b>Aspiration hazard</b>	Not an aspiration hazard.	
<b>Chronic effects</b>	Prolonged inhalation may be harmful.	

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

### Persistence/Degradability

Not determined.

### Bioaccumulation

Not determined.

### Mobility

Not determined

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

<b>Disposal of Wastes</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Waste from residues/unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

## 14. TRANSPORT INFORMATION

<b>Note</b>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<b>DOT</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG</b>	Not regulated

## 15. REGULATORY INFORMATION

### US Federal Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt D)** Not regulated.

**US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)** Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)** Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard Categories**

Immediate Hazard – No  
 Delayed Hazard – Yes  
 Fire Hazard – Yes  
 Pressure Hazard – No  
 Reactivity Hazard – No  
 Not listed.  
 Yes  
 Not determined  
 Not regulated.

**SARA 302 Extremely hazardous substance**

**SARA 311/312 Hazardous chemical**

**SARA 313**

**US State Regulations**

### US California Proposition 65

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

### International Inventories

Country	Inventory name	On inventory
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
US & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards</b> 1	<b>Flammability</b> 1	<b>Instability</b> 0	<b>Special Hazards</b> Not determined
<b>HMIS</b>	<b>Health Hazards</b> 1	<b>Flammability</b> 1	<b>Physical Hazards</b> 0	<b>Personal Protection</b> B- Safety Glasses, Gloves

**Issue Date:** 21-Apr-2022

**Revision Date:** 21-Apr-2022

**Revision Note:** Release

### Disclaimer

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**End of Safety Data Sheet**