# SAFETY DATA SHEET

**Mixed Metal Briquettes**

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Mixed Metal Briquettes  
**GENERAL USE:** Recovered metal formed into briquettes for re-melt purposes.  
**GENERIC NAME:** Harsco Minerals Mixed Metal Briquettes

**MANUFACTURER**  
Harsco Metal & Minerals  
359 North Pike Road  
Sarver, PA 16055

**24 HR. EMERGENCY TELEPHONE NUMBERS**  
724-353-0055

## 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS**

- **Health:** Not Classified.
- **Environmental:** Not Classified.
- **Physical:** Not Classified.

**COMMENTS:** Harsco Minerals Mixed Metal Briquettes are formed by mixing portland cement with metal chips recovered from stainless steel slag. They are not classified in the Globally Harmonized System (GHS).

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Principal Components</th>
<th>CAS #</th>
<th>Percent</th>
<th>ACGIH TLV Values</th>
<th>OSHA PEL Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron</td>
<td>7439-89-6</td>
<td>60-70% (typical)</td>
<td>10 mg/m³ (inhal.)</td>
<td>TWA 15 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3 mg/m³ (resp.)</td>
<td>TWA 5 mg/m³ (resp.)</td>
</tr>
<tr>
<td>Chromium</td>
<td>7440-47-3</td>
<td>6-12% (typical)</td>
<td>0.5 mg/m³</td>
<td>TWA 1.0 mg/m³</td>
</tr>
<tr>
<td>Nickel</td>
<td>7440-02-0</td>
<td>2-8% (typical)</td>
<td>1.5 mg/m³ (inhal.)</td>
<td>TWA 1 mg/m³</td>
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<tr>
<td>Manganese</td>
<td>7439-96-5</td>
<td>0-1% (typical)</td>
<td>0.1 mg/m³ (inhal.)</td>
<td>C 5 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.02 mg/m³ (resp.)</td>
<td></td>
</tr>
<tr>
<td>Portland Cement</td>
<td>65997-15-1</td>
<td>5% (typical)</td>
<td>1 mg/m³</td>
<td>TWA 15 mg/m³</td>
</tr>
<tr>
<td></td>
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<td>TWA 5 mg/m³ (resp.)</td>
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## 4. FIRST AID MEASURES

**EYES:** If contact with eyes occurs, flush with water for 15 minutes, occasionally lifting upper and lower lids. Consult a physician.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.
INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: This product is non-combustible.

GENERAL HAZARD: None known

EXTINGUISHING MEDIA: Use fire-extinguishing media appropriate for surrounding materials.

FIRE FIGHTING PROCEDURES: Move product containers from fire area if it can be done without risk. Cool containers by flooding with water until heat is dissipated.

HAZARDOUS DECOMPOSITION PRODUCTS: None known

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILL: Avoid runoff into storm sewers and ditches. Collect spillage using appropriate equipment. Dispose of collected materials in accordance with Federal, State and local regulations.

RELEASE NOTES: The material is non-hazardous as defined in state and federal regulations.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep material dry until used. Normal temperature and pressure do not affect material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

SKIN: Use protective gloves. Wear suitable protective clothing.

RESPIRATORY: Maintain air quality below OSHA and ACGIH standards.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: None

APPEARANCE: Gray to brown solid briquettes.

SOLUBILITY IN WATER: Practically insoluble

SPECIFIC GRAVITY: ~ 7.5

10. STABILITY AND REACTIVITY

STABILITY: This product is stable and non-reactive under normal conditions of use, storage and transport.

CONDITIONS TO AVOID: None known

INCOMPATIBLE MATERIALS: None known

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: May cause eye irritation.

SKIN EFFECTS: May cause skin irritation.

CARCINOGENICITY

IARC: Stainless steel is not listed by IARC.

NTP: Stainless steel is not listed by the National Toxicology Program in their Annual Report.

OSHA: Stainless steel is not listed by NIOSH on their Occupational Cancer List.

Notes: ACGIH Carcinogens

- Chromium (CAS 7440-47-3) A4 Not classifiable as a human carcinogen.
- Manganese (CAS 7439-96-5) A4 Not classifiable as a human carcinogen.
- Nickel (CAS 7440-02-0) A5 Not suspected as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity
12. ECOLOGICAL INFORMATION

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

BIOACCUMULATION/ACCUMULATION: This product is not bioaccumulating.

DISTRIBUTION: Not Available

AQUATIC TOXICITY (ACUTE): None known

CHEMICAL FATE INFORMATION: Not Available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

GENERAL COMMENTS: TCLP testing of unused product indicates that it is not hazardous waste by characteristic.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

OTHER SHIPPING INFORMATION: Material is not regulated as a hazardous material by DOT.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Hazardous Chemical.

FIRE: No PRESSURE GENERATING: No REACTIVITY: No ACUTE: No CHRONIC: Yes

313 REPORTABLE INGREDIENTS: Chromium (CAS No. 7440-47-3), Manganese (CAS No. 7439-96-5) and Nickel (CAS No. 7440-02-0)

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: None

CLEAN AIR ACT

40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: None

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: None

CALIFORNIA PROPOSITION 65: WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

RCRA STATUS: Not regulated.

OSHA HAZARD COMM. RULE: Regulated.

16. OTHER INFORMATION

Date Prepared: 05/30/2015

HMIS RATING

<table>
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<tr>
<td>PERSONAL PROTECTION</td>
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NFPA CODES

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