

SAFETY DATA SHEET



Date Prepared : 05/30/2015

SDS No : 2015-12

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

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

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

- Chromium (CAS 7440-47-3) Group 3. Monographs 49 (1990).
- Manganese (CAS 7439-96-5) Not listed.
- Nickel (CAS 7440-02-0) Group 2B. Monographs 7, 49 (1990).

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

HEALTH	<input type="checkbox"/>	0
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	A

NFPA CODES

