

SAFETY DATA SHEET



Date Prepared : 05/01/2015

SDS No : 2015-03

Metal Mixture (Stainless Steel)

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Metal Mixture (Stainless Steel)

GENERAL USE: Recovered metal and loose scrap sold for re-melt purposes.

PRODUCT DESCRIPTION: Metal Mixture (Stainless Steel)

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: Metal mixture is 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

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: None required if material is wet. If dry, ventilate to maintain air quality below OSHA and ACGIH standards. If adequate ventilation is not available, use a half-face or full-face respirator with high efficiency particulate air (HEPA) cartridge filters to prevent inhalation of dusts.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: None

APPEARANCE: Gray to brown sand-like mixture approximately 90% retained by a No. 100 sieve.

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: 05/01/2015

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