



2001 E. Perkins Ave l Sandusky, OH 44870

(419) 515-2290

LDAhner@ahner-industrial.com

SAFETY DATA SHEET

Flat Work Concrete Form

1. Identification

Product Identifier: Flat Work Concrete Form

Manufacturer:

Ohio Metal Forms

2001 E. Perkins Ave l Sandusky, OH 44870

(419) 515-2290

Emergency Phone Number: (419) 515-2290

Recommended Use: Formwork for sidewalks and flat work concrete pouring applications

Restrictions on Use: None identified

2. Hazards Identification

Article Classification:

Under OSHA Hazard Communication Standard (29 CFR 1910.1200), this product is considered an “article” and does not release or otherwise result in exposure to a hazardous chemical under normal conditions of use.

Emergency Overview:

- **Sharp Edges:** May cause cuts or lacerations during handling or use.
- **Heavy Weight:** Risk of injury if dropped or mishandled (10 feet long, 4–16 inches high, constructed from 12 gauge steel).
- **Pinching/Crushing:** Potential for injury during assembly, disassembly, or use due to wedge pockets and form configurations.

Classification:

Not classified as hazardous under OSHA Hazard Communication Standard. However, safe handling practices are strongly recommended.

Signal Word: *Caution*

Hazard Statements:

- May cause injury due to sharp edges or heavy weight if improperly handled.

Precautionary Statements:



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- Wear appropriate personal protective equipment (PPE).
 - Use proper lifting techniques, mechanical assistance, or team lifting.
 - If modified (e.g., welding, cutting, or drilling), dusts/fumes generated may have additional hazards requiring further controls.
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3. Composition/Information on Ingredients

Material:

The Flat Work Concrete Form is constructed from A1011 CS-TYPE B carbon steel, with additional components (wedge pockets) made from 3/16 inch and 1/4 inch steel of similar composition.

Chemical Composition (A1011 CS-TYPE B):

Component	Percentage
Iron (Fe)	>99%
Carbon (C)	0.02% – 0.15%
Manganese (Mn)	≤0.60%
Phosphorus (P)	≤0.030%
Sulfur (S)	≤0.035%

Note: Trace elements may be present in negligible amounts but are not considered hazardous in this finished product.

4. First-Aid Measures

Inhalation:

Not applicable under normal use conditions.

Skin Contact (Cuts):

- Apply pressure to stop bleeding, clean the wound with soap and water, and bandage.
- Seek medical attention if the cut is deep or if bleeding persists.

Bruises or Crush Injuries:

- Apply ice to reduce swelling.



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- Seek medical attention if severe pain, swelling, or suspected fracture occurs.

Eye Contact:

- If steel particles or dust enter the eyes, flush with water for at least 15 minutes.
- Seek medical attention if irritation persists.

Ingestion:

Not applicable.

5. Fire-Fighting Measures

Flammability:

Non-combustible.

Suitable Extinguishing Media:

Use media appropriate for surrounding fire (e.g., water, foam, dry chemical).

Special Hazards:

None identified. Steel does not contribute to fire hazards.

Advice for Firefighters:

Wear standard firefighting gear as needed for surrounding conditions.

6. Accidental Release Measures

Personal Precautions:

- Avoid direct contact with sharp edges or heavy components.
- Wear gloves and safety boots.

Methods for Containment/Cleanup:

Not applicable for a solid product. If forms are dropped or scattered, pick them up carefully to avoid injury.

7. Handling and Storage

Handling:

- Wear gloves, safety glasses, steel-toed boots, and other PPE as needed.
- Due to product size (10 feet long) and weight, handle with at least two people or use appropriate lifting equipment (e.g., forklift).



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- Emphasize mechanical assistance or team lift to prevent back injuries.
 - If cutting, welding, or otherwise modifying the forms, additional ventilation or respiratory protection may be required.

Storage:

- Store in a dry area to prevent rusting.
 - Stack forms securely to avoid tipping or falling.
 - Keep away from strong acids or bases to prevent corrosion.
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8. Exposure Controls/Personal Protection

Exposure Limits:

No specific occupational exposure limits apply to solid steel under normal conditions. If welding or cutting, consult applicable exposure limits for welding fumes or dust.

Engineering Controls:

Not required for normal handling. Ventilation may be needed if forms are cut, welded, or otherwise modified.

Personal Protective Equipment (PPE):

- **Hand Protection:** Cut-resistant or leather gloves (e.g., compliant with ANSI/ISEA 105).
 - **Eye Protection:** Safety glasses or goggles.
 - **Foot Protection:** Steel-toed boots.
 - **Body Protection:** Long sleeves and pants recommended to protect against sharp edges.
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9. Physical and Chemical Properties

Property	Value
Appearance	Solid, metallic
Color	Gray
Odor	Odorless
Melting Point	~1370°C (2500°F)
Density	7.85 g/cm ³



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Property	Value
Solubility in Water	Insoluble
Physical State	Solid
Dimensions	10 ft long, 4-16 in high, 12 gauge thick

10. Stability and Reactivity

Reactivity:

Stable under normal conditions. May corrode in the presence of strong acids or bases.

Chemical Stability:

Stable.

Conditions to Avoid:

Prolonged exposure to moisture (may cause rusting).

Incompatible Materials:

Strong acids or bases.

Hazardous Decomposition Products:

None under normal use.

11. Toxicological Information

Acute Toxicity:

Not toxic.

Skin Corrosion/Irritation:

Not irritating unless sharp edges cause cuts.

Respiratory Sensitization:

Not applicable under normal use. (Fumes or dust from cutting/welding could be hazardous and require assessment.)

Chronic Effects:

None identified.

12. Ecological Information



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Ecotoxicity:

Not harmful to the environment.

Persistence/Degradability:

Steel is not biodegradable but is recyclable.

Mobility in Soil:

Not applicable.

Other Effects:

None identified.

13. Disposal Considerations**Disposal Methods:**

Recycle as scrap metal at an authorized facility.

Waste Regulations:

Dispose of in accordance with local, state, and federal regulations.

14. Transport Information**UN Number:**

Not applicable.

Hazard Class:

Not classified as hazardous for transportation.

Packing Group:

Not applicable.

Precautions:

Secure forms during transport (e.g., use strapping, blocks, or bracing) to prevent shifting or falling. No special DOT requirements.

15. Regulatory Information**U.S. Federal Regulations:**

Not listed under OSHA, TSCA, or CERCLA as a hazardous substance.

State Regulations:

Check state-level “right-to-know” requirements for metals or trace elements that may be regulated.



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16. Other Information

Date of Preparation: 3/19/2025

Revision Number: 2

Document Control

- **Revision 1:** Original SDS
- **Revision 2:** Updated to clarify article status, expand PPE, handling guidance, shipping instructions, and disclaimers for cutting/welding.

Disclaimer:

This SDS is based on the best available information and is provided for guidance. Ohio Metal Forms assumes no liability for misuse or improper handling of the product. If any modifications are performed (e.g., cutting, welding, drilling), consult applicable safety and exposure guidelines. Additional safety information regarding these operations may be required.