SAFETY DATA SHEET

Flat Work Concrete Forms | Revision 3 | Revised August 3, 2026

Manufacturer	Public contact	Authoritative product data
Ohio Metal Forms / Ahner Industrial 2001 E Perkins Ave Sandusky, OH 44870	419-515-2290 office@ahner-industrial.com	https://www.ohiometalforms.com/catalog.json

1. Identification

Product identifier

Flat Work Concrete Form

Recommended use

Reusable formwork for sidewalks and flatwork concrete pouring applications.

Restrictions on use

None identified for normal intended use. Cutting, welding, drilling, or other modification can introduce additional hazards.

2. Hazards Identification

Article classification

Under OSHA Hazard Communication Standard (29 CFR 1910.1200), the finished 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

Use caution around sharp edges, heavy pieces, wedge pockets, and pinch or crush points.

- Sharp edges may cause cuts or lacerations during handling or use.
- Heavy pieces can cause injury if dropped or mishandled.
- Pinching or crushing can occur during assembly, disassembly, transport, or setup.
- Current standard listed form heights are 4, 6, 8, 10, and 12 inches. Straight and flexible sections are 10 feet long; filler sections are 5 feet long.

Signal word

Caution

Precautionary statements

Wear appropriate PPE. Use proper lifting techniques, team lifting, or mechanical assistance. Assess additional dust and fume hazards before modifying the product.

3. Composition / Information on Ingredients

Material

Form bodies are constructed from A1011 CS Type B carbon steel. Wedge-pocket components use 3/16-inch and 1/4-inch steel of similar composition.

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

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

4. First-Aid Measures

Inhalation

Not applicable under normal use conditions. If fumes or dust are generated by modification, move the person to fresh air and follow the controls for that operation.

Skin contact - cuts

Apply pressure to stop bleeding, clean the wound with soap and water, and bandage. Seek medical attention for deep cuts or persistent bleeding.

Bruises or crush injuries

Apply ice to reduce swelling. Seek medical attention for severe pain, swelling, loss of function, or suspected fracture.

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 the surrounding fire, such as water, foam, or dry chemical.

Special hazards

None identified for the finished steel article. Steel does not contribute to fire hazards.

Advice for firefighters

Wear standard firefighting gear appropriate for surrounding conditions.

6. Accidental Release Measures

Personal precautions

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

Containment and cleanup

Not applicable for a solid product. If forms are dropped or scattered, secure the area and recover them using safe lifting practices.

7. Handling and Storage

Handling

Wear gloves, safety glasses, steel-toed boots, and other PPE appropriate to the task. Use at least two people or suitable lifting equipment for long or heavy pieces. Evaluate ventilation and respiratory controls before cutting or welding.

Storage

Store in a dry area. Stack and restrain forms securely to prevent tipping, sliding, or falling. Keep away from strong acids or bases.

8. Exposure Controls / Personal Protection

Exposure limits

No specific occupational exposure limits apply to solid steel during normal handling. Consult applicable limits for fumes or dust generated during modification.

Engineering controls

Not required for normal handling. Local exhaust ventilation or other controls may be required for cutting, welding, or drilling.

- Hand protection: cut-resistant or leather gloves appropriate to the hazard.
- Eye protection: safety glasses or goggles.
- Foot protection: steel-toed safety footwear.
- Body protection: long sleeves and pants are recommended around sharp edges.

9. Physical and Chemical Properties

Property	Value
Appearance	Solid, metallic
Color	Gray
Odor	Odorless
Physical state	Solid
Melting point	Approximately 1370 C (2500 F)
Density	7.85 g/cm3
Solubility in water	Insoluble
Dimensions	Vary by product. Current standard listed heights: 4, 6, 8, 10, and 12 inches.

10. Stability and Reactivity

Reactivity and stability

Stable under normal conditions. Steel may corrode in the presence of moisture, strong acids, or strong bases.

Conditions to avoid

Prolonged exposure to moisture and incompatible chemicals.

Incompatible materials

Strong acids and strong bases.

Hazardous decomposition products

None under normal use.

11. Toxicological Information

Acute toxicity

The finished solid article is not considered acutely toxic under normal use.

Skin effects

The material is not considered irritating, but sharp edges can cause cuts.

Respiratory effects

Not applicable under normal use. Fumes or dust from modification require a separate hazard assessment.

Chronic effects

None identified for normal handling of the finished article.

12. Ecological Information

Ecotoxicity

The finished steel article is not expected to be harmful to the environment under normal use.

Persistence and mobility

Steel is not biodegradable but is recyclable. Mobility in soil is not applicable.

13. Disposal Considerations

Disposal methods

Recycle as scrap metal at an authorized facility. Dispose of in accordance with applicable local, state, and federal requirements.

14. Transport Information

UN number / hazard class / packing group

Not applicable. The finished article is not classified as hazardous for transportation.

Transport precautions

Secure forms with suitable strapping, blocks, or bracing to prevent shifting or falling. Plan for the length, weight, sharp edges, and unloading method.

15. Regulatory Information

U.S. federal regulations

The finished article is not listed as a hazardous substance under OSHA, TSCA, or CERCLA for normal intended use.

State regulations

Check applicable state right-to-know requirements for metals or trace elements.

16. Other Information

Document control	Details
Original preparation	March 19, 2025
Current revision	Revision 3 - August 3, 2026
Revision 3 changes	Updated public contact information, current standard size range, product-family dimensions, and authoritative catalog reference.

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. If the product is cut, welded, drilled, or otherwise modified, consult the applicable safety and exposure guidance for that operation.