

# ADVANCE 6110 Heavy-Duty Synthetic Metalforming Lubricant



## Product Description

**ADVANCE 6110** is an **oil free**, biodegradable metalforming lubricant composed of renewable resources. The unique *'botanical green'* chemistry affords the ultimate in lubricity, personal safety and environmental compatibility. This state-of-the art formulation provides manufacturing and operator benefits that are unattainable with traditional oil-based lubricants. **ADVANCE 6110** is the optimum choice for heavy-duty metal stamping, blanking and deep drawing operations on all metals.

## Benefits

- ✓ Outstanding corrosion protection
- ✓ Weldable, heat treatable, ashless
- ✓ Cleans off easily
- ✓ Excellent die life and anti-wear properties
- ✓ Multi-metal compatible
- ✓ Eliminates smoke and oil residues
- ✓ Cleaner/safer press room environment
- ✓ Non-Staining safe on yellow metals
- ✓ Contains no hazardous materials
- ✓ Biodegradable, operator friendly
- ✓ Reduces post finishing costs
- ✓ Cost-effective - low end use costs

## Applications

- ✓ Progressive and Compound die stamping
- ✓ Blanking
- ✓ Deep drawing
- ✓ Bending
- ✓ Contour and Rollforming
- ✓ Extruding
- ✓ End-forming
- ✓ Punching/Piercing
- ✓ Notching
- ✓ Spinning



## Directions for Use

**ADVANCE 6110** can be used as received or diluted with water depending on the severity of the operation. The diluted solution can be applied by spray, roller, drip or immersion methods. The appropriate ration with depend on the type of metal formed, thickness of the metal, operation and application method.

## Properties

<b>Appearance</b>	Amber, viscous liquid	<b>Water Solubility</b>	Complete
<b>Odor</b>	Bland	<b>pH (10%)</b>	8.0 – 8.9
<b>Specific Gravity</b>	1.08 – 1.10	<b>USDA CERTIFIED BIOBASED</b>	Yes

## Packaging

**ADVANCE 6110** is available in 5-gallon pails, 55 gallon drums and 330 gallon totes.

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No one understands botanical technologies better than Metalloid, so no one else can bring you advanced technology that works on the issues that matter to you. Get the whole story by calling Metalloid at **800.686.3201**.



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