



SAFETY DATA SHEET

Section 1: GENERAL INFORMATION

<i>TRADE NAME (Common Name or Synonym)</i>	<i>CHEMICAL NAME</i>	<i>PREPARED BY</i>
Ethyl acetate	Ethyl acetate	Metallic Resources

USED IN INDUSTRIAL SOLDERING PROCESSES
ADDRESS (No., Street, City, State, Zip Code):
Metallic Resources, Inc., 2368 East Enterprise Parkway, Twinsburg, OH 44087

<i>CONTACT</i>	<i>PHONE NUMBER</i>
Metallic Resources, Inc.:	(330) 425-3155
Chemtrec:	(800) 424-9300

or contact any emergency room within 15 minutes of your location.

Section 2: HAZARDS IDENTIFICATION

Signal Word: Danger

Hazard statement(s)

H225 Highly flammable liquid and vapor

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness



Precautionary statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/Bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/lighting equipment
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash skin thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated Clothing. Rinse skin with water/shower
P304 + 340 +P312	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
P305 + 351 + P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present And easy to do. Continue rinsing
P337 + P313	If eye irritation persists: Get medical advice/attention
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 +P235	Store in well-ventilated place. Keep Cool.
P405	Store locked up
P501	Dispose of contents/container to an approved waste disposal plant

GHS Category

Ethyl acetate:

Flammable liquid- Category 2

Specific target organ toxicity – single exposure – Category 3

Eye irritation – Category 2A

Hazards not otherwise classified (HNOC) or not covered by GHS - none

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Material or Substance	C.A.S.	Wt. %
Ethyl acetate	141-78-6	95-99%

Section 4: FIRST AID MEASURES

- Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
- Ingestion:** Do not induce vomiting. NEVER give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. Consult a physician. Seek immediate medical attention.
- Skin Contact:** Wash off with soap and plenty of water. Consult a physician.

Section 5: FIRE FIGHTING MEASURES

- Flash Point:** no data available
- Auto-ignition Temperature:** Not established
- Flammable Limits:** Not established
- Extinguishing Media:** Use Dry powder dry sand. Do not use water jet to extinguish.
- Special Fire Fighting:** Wear self-contained breathing apparatus for firefighting if necessary. Use water spray to cool unopened containers.
- Procedures:**

Section 6: ACCIDENTAL RELEASE MEASURES

- Spill or Leak Procedures:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. DO NOT allow material to enter sewer system or waterway. Put clean-up materials in a properly labeled metal drum. Dispose of following all Federal, State and Local regulations. In the EU refer to the Special Waste Regulations.

Section 7: HANDLING AND STORAGE

- Handling Precautions:** Keep containers tightly closed when not in use. Use care to avoid spills. Wear personal protective equipment. Ground containers when in use. Keep away from sources of heat.
- Storage Precautions:** Store product in tightly capped original containers in a cool, dry area, well ventilated away from sources of ignition. Refer to product label for specific storage temperature requirements. Rotate stock to ensure use before expiration date on the label.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday.
- Personal protection:**
- Eyes:** Chemical safety glasses/goggles. Face shield for splash hazards and gloves.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (Continued)

- Respirator:** A NIOSH approved or compliant marked air-purifying respirator with a fume/organic chemical cartridge is recommended where airborne concentrations are expected to be elevated.
- Skin:** Compatible chemical resistant gloves. Do not use latex gloves.

Other:

Lab coat, sleeve protectors, eyewash fountain in work area. Avoid the use of contact lenses in high fume areas.

Work/Hygienic Practices:

Maintain good housekeeping. Clean up spills immediately.
Good personal hygiene is essential. Avoid eating, smoking or drinking in the work area.
Wash hands thoroughly with soap and water immediately upon leaving the work area.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES**Appearance:** clear liquid**Boiling Point:** 76.5 – 77.5° C (169.7 – 171.5° F)**Odor:** not available**Melting Point:** -84°C (-119° F)**Specific Gravity:** No data available**pH:** No data available**Vapor Pressure:** Not data available**Solubility in Water:** No data available**Vapor Density:** Not data available**Section 10: STABILITY AND REACTIVITY****General:** Stable under recommend storage conditions.**Conditions to Avoid:** heat, flames and sparks**Incompatible Materials:** strong oxidizing agents**Hazardous Decomposition /** No data available**Combustion:****Section 11: TOXICALOGICAL INFORMATION****Carcinogenicity:** NTP: No OSHA: No IARC: No**LD50:** Not established. **LC50:** Not established.**Section 12: ECOLOGICAL INFORMATION**

No Data Available

Section 13: DISPOSAL CONSIDERATION**Waste Disposal Method:** Dispose of in accordance with all Federal, State and Local environmental regulations. In Europe follow the Special Waste Regulations.**Section 14: TRANSPORT INFORMATION**

Transport in accordance with applicable regulations and requirements.

UN1173, Ethyl acetate,3, PG II

**Section 15: REGULATORY INFORMATION****UNITED STATES****CERCLA:** Not subject to any special reporting under the requirements of CERCLA.**TSCA Status:** All ingredients are listed or are exempt from listing (as polymers) under TSCA.**CANADA****WHMIS (Canada):** Class B Division 2, Class D Division 2B**California Proposition 65:** This product is not known to cause cancer.**Reach Directive:** This product does not contain any Substances of Very High Concern (SVHC).**Section 16: OTHER INFORMATION****ABBREVIATION TERMS:**

ACGIH	American Conference of Government Industrial Hygienists	OSHA	Occupational Safety and Health Act
CAS	Chemical Abstracts Service	PEL	Permissible Exposure Limit
CEPA	Canadian Environmental Protection Act	REL	Recommended Exposure Limit
IARC	International Agency for Research on Cancer	SARA	Superfund Amendments & Reauthorization Act

SDS-Ethyl acetate

Soldering Flux

NIOSH National Institute for Occupational Safety and Health
NTP National Toxicology Program

TSCA Toxic Substances Control Act
N/A Not Applicable, Not Available

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