

SAFETY DATA SHEET

SECTION 1 - MANUFACTURER/PRODUCT IDENTIFICATION:

PRODUCT IDENTITY: GLASSPRO 50/50 & 60/40 SOLDER (CAT. # 4302501 and # 4302601)

Manufacturer's (Distributor's) Name:

Creative Craftsmen Co., Inc.
27625 Diehl Road
Warrenville, Illinois 60555-3838

Emergency Telephone Number:

888- 215-4878

Information Telephone Number:

630-836-1353 Toll Free: 800-323-5668

Trade Name: GLASSPRO 50/50 & 60/40 SOLDER

Product Type: Lead/Tin Solder

Chemical Family: Metal Alloy

SECTION 2 - HAZARDS IDENTIFICATION:

SECTION 2.1: HAZARD CLASSIFICATION:

DANGER! THIS PRODUCT CONTAINS LEAD. IT IS A SUSPECT CARCINOGEN AND A REPRODUCTIVE TOXIN.

WARNING! THIS PRODUCT DAMAGES INTERNAL ORGANS AND IS A RESPIRATORY TRACT IRRITANT.



Suspected of causing cancer.
May damage fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.



Harmful if swallowed or inhaled. May cause allergy/asthma symptoms or breathing difficulties.
May cause an allergic skin reaction. Causes respiratory tract irritation. May harm aquatic life.

PRECAUTIONARY INFORMATION:

SUSPECTED OF CAUSING CANCER. DAMAGES FERTILITY OF THE UNBORN CHILD. REPEATED OR PROLONGED EXPOSURE CAUSES ORGAN DAMAGE. IF INHALED CAUSES RESPIRATORY IRRITATION.

Prevent eye contact and prolonged skin contact. Utilize appropriate protective clothing and eye and skin protection. Prevent material from becoming airborne. Avoid the generation and inhalation of dust and fume. Wear appropriate respiratory protection if dust/fume levels exceed exposure limits. Do not eat, drink or use tobacco products when there is potential exposure to this material. Wash hands thoroughly after handling.

SECTION 2.2: LABEL INFORMATION:

PRODUCT IDENTITY: GLASSPRO 50/50 & 60/40 SOLDER (CAT. # 4302501 & # 4302601)

Signal DANGER CONTAINS LEAD (Pb)



Suspected of causing cancer.
May damage fertility or the unborn child.
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Harmful if swallowed or inhaled. May cause allergy/asthma symptoms or breathing difficulties.
May cause an allergic skin reaction. Causes respiratory tract irritation. May harm aquatic life.

CALIFORNIA PROP 65 WARNING STATEMENT:



WARNING: This product can expose you to chemicals, including lead, which is known to the State of California to cause cancer, birth defects and other reproductive harm.

See www.P65Warnings.ca.com for additional information.

HAZARD STATEMENT: This product contains an ingredient that is known to cause cancer and birth defects. Lead is a suspect cancer-causing agent and is a reproductive hazard. Fume causes eye irritation. Fume causes respiratory irritation. Causes stomach pain, if swallowed.

CAUTION: Avoid contact with skin and eyes. Use safety glasses/goggles and skin protection. Avoid generating and breathing dust and mist. Use with adequate ventilation. Wear appropriate respiratory protection if dust/mist levels exceed exposure limits. Thoroughly wash and rinse skin after use. If ingested seek immediate medical attention. Do not eat, drink or smoke when using this product. Store in a cool dark place. Keep away from children and pets.

EMERGENCY INFORMATION:

Eye Contact: Immediately flush with water. Remove contacts. Continue flushing with warm potable water for 15 minutes.

Skin Contact: Remove contaminated clothing and thoroughly wash and rinse affected area.

Inhalation: Exit to fresh air. Support breathing as needed.

Ingestion: Rinse mouth. Drink milk or water if conscious. Do not induce vomiting.

Contact emergency personnel if medical issues need further treatment.

See additional information on the SDS for further details regarding the safe use of this product.

Flammability = 0 Hazardous Material Information System

Health = 2 PPE = E means safety glasses, protective gloves and

Physical Hazard = 0 appropriate respirator.

PPE = E

Creative Craftsmen Co., Inc.

27625 Diehl Road

Warrenville, Illinois 60555-3838

SECTION 3 - HAZARDOUS INGREDIENTS INFORMATION:

The information contained herein is believed to be correct and reliable. However, no warranty is expressed or implied regarding the accuracy of this data, and none is made as to the marketability of the material or its fitness for any purpose. The consumer accepts the responsibility of and the conditions for liability of use of the product. This product contains material that may be hazardous when airborne as a particulate.

HAZARDOUS COMPONENTS^a:

(Specific Chemical Identity;

Common Name	CAS Number	SARA ^b	OSHA PEL ^c (mg/m ³) ^d	ACGIH TLV ^e (mg/m ³)	NOTES	PERCENT ^f
Lead	7439-92-1	*	0.05	0.05		25-70
Tin	7440-31-5		2.0	2.0		30-75

Notes:

- The term "Hazardous" is defined in the OSHA Hazard Communication Standard (29 CFR 1910.1200) and does not necessarily imply the existence of any hazard. All components at concentrations equal to or greater than 1.0 percent (0.1 percent if a carcinogen) are listed in this section, according to OSHA 29 CFR 1910.1200.
- An asterisk (*) indicates a toxic chemical subject to the EPA's reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and 40 CFR Part 372.
- The permissible exposure limit (PEL) for tin is based on OSHA's rulemaking 29 CFR 1910 Subpart Z. The permissible exposure limit (PEL) for lead is based on OSHA's rulemaking 29 CFR 1910.1025.
- These values are reported as milligrams of contaminant per cubic meter of air (mg/m³).
- These values are based on the American Conference of Governmental Industrial Hygienists (ACGIH) 2018 TLVs.
- Approximate percent by weight values.

SECTION 4 - FIRST AID PROCEDURES:

General information:	Symptoms of poisoning may even occur after several hours. Provide medical observation for at least 48 hours after the accident.
Inhalation:	Exit to fresh air. Support breathing as needed. If condition persists, seek medical attention. In case of unconsciousness place patient stably in side position for transportation. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
Eyes:	Immediately flush eyes with potable water. Remove contacts and continue to flush eyes with plenty of warm water for at least 15 minutes. Seek medical attention if irritation persists.
Skin:	Remove contaminated clothing. Flush area with potable water. Wash affected area with mild soap and water for at least 15 minutes. If redness or irritation develops, seek medical attention. Discard or decontaminate clothing before reuse.
Ingestion:	Do not induce vomiting. Immediately rinse mouth with plenty of water. If within 30 minutes give a glass of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical attention if necessary.

Note to Physician: Potential dust and fume exposure is of concern. Product contains lead.**SECTION 5 - FIRE AND EXPLOSION HAZARD DATA:**

FLASH POINT (Method Used): >100°C (>212°F)	This product is nonflammable and will not support combustion. Significant airborne concentrations of dust can create flammable/explosive conditions.		
FLAMMABLE LIMITS:	LEL:	NA	UEL: NA
AUTOIGNITION TEMPERATURE:	Not self-igniting		
EXTINGUISHING MEDIA:	Use extinguishing media appropriate for surrounding fire including carbon dioxide, dry chemical, foam, halon, or water mist.		
SPECIAL FIRE FIGHTING PROCEDURES:	Wear appropriate protection for the surrounding fire. Wear self-contained breathing apparatus and full protective fire-resistant clothing. Do not release runoff to sewers and waterways.		
UNUSUAL FIRE AND EXPLOSION HAZARDS:	When subjected to heat and flames, irritating and toxic gases such as lead/tin oxides may be released. Dust can form an explosive mixture in air.		

SECTION 6 - ACCIDENTAL RELEASE MEASURES:**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Caution: This material is in bar form and is unlikely to be spilled. Avoid generating airborne dust and fume. Provide adequate ventilation. Prevent material from accumulating on floors. If spilled or dust accumulated, barricade area until cleanup is complete. Avoid stepping in spilled material.

For large spills keep material from entering sewers and surface or ground water. Use appropriate personal protective equipment, including respiratory protection for particulate (e.g., N-95 dust mask or half-mask with N-100) and protective clothing. Recover material if possible and place into an appropriate container. Use wet methods to clean up of residue. Avoid creating airborne dust. Wet the dried material, scoop up, vacuum or mop the material, and place it into closed containers for reuse or disposal. Once material is swept up, the area may be rinsed with water. If material is to be vacuumed use a HEPA vacuum.

Place absorbents into appropriate containers for disposal.

CHEMTREC: 800-424-9300

CHEMTREC (Outside US & Canada): 703-527-388

CERCLA Reportable Quantity: Lead: 10 pounds

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE:**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

When not in use, store upright in tightly closed containers in a dry, cool area. Do not store with strong oxidizers and acids. Keep floors clean and dry.

Use only with adequate ventilation that keeps fume/dust levels below the permissible exposure limit (PEL).

Handle so as not to create airborne dust. Avoid breathing dust/mist. Utilize appropriate NIOSH-approved respirator if airborne dust exposures are above PEL.

Handle with care. Avoid unnecessary eye and prolonged skin contact. Wash thoroughly after handling. Do not ingest.

PRECAUTIONS TO BE DURING REPAIR AND MAINTENANCE: Not Applicable

OTHER PRECAUTIONS: Keep work surfaces clean. Do not dry sweep. Keep out of reach of children.

Dusts can form an explosive mixture with air.

SECTION 8 - CONTROL MEASURES/PERSONAL PROTECTION:**VENTILATION:**

Local Exhaust: If necessary, use enclosures with local exhaust ventilation to keep exposures below PELs.

Mechanical: If necessary to keep dust and fume levels below PELs. Recommended for confined areas and when generating fume.

Special: NA.

RESPIRATORY PROTECTION (Specify Type): Not necessary with appropriate ventilation. Where exposure above the PEL/TLV is likely, utilize a NIOSH approved half-mask air-purifying respirator (APR) equipped with filters approved for particulate (P100). Additional protection [(e.g., airline respirator or self-contained breathing apparatus (SCBA))] may be required for emergencies or in designated areas (e.g., confined areas). APRs do not protect workers in oxygen deficient atmospheres.

PROTECTIVE GLOVES: Not normally needed. During extended periods of use when excessive skin contact is likely, wear gloves that protect skin from hot solder.

EYE PROTECTION: Safety glasses with side shields, goggles or face shield as needed.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No skin protection is needed under normal conditions of use.

During extended periods of use when excessive skin contact is likely, wear appropriate equipment to protect skin.

SAFETY STATIONS: Make available in the work area emergency eyewash stations and safety shower.

WORK/HYGIENIC PRACTICES: Avoid skin and eye contact. Avoid breathing dust and mist. Practice good personal hygiene. Do not eat, drink, smoke, or apply cosmetics in work areas. Wash face and hands prior to eating, drinking or other hand-to-mouth activities. Launder contaminated clothing before reuse.

SECTION 9 - PHYSICAL/CHEMICAL CHARACTERISTICS:

BOILING POINT:	1740°C (3164°F)	VAPOR DENSITY (Air = 1)	NA
MELTING POINT:	ND	VAPOR PRESSURE (mm Hg):	NA
SPECIFIC GRAVITY:	ND	EVAPORATION RATE	
Bulk Density:	8.45 g/cm ²	(Butyl Acetate = 1):	NA
pH:	NA		
APPEARANCE AND ODOR:	Solid silver gray material. No odor.	SOLUBILITY IN WATER:	Insoluble

SECTION 10 - STABILITY AND REACTIVITY:

STABILITY:	Stable:	X	Unstable:	
Conditions to Avoid:	None			
INCOMPATIBILITY (Materials to Avoid):	Strong oxidizers, strong acids, and reducing agents.			
HAZARDOUS POLYMERIZATION:	May Occur:		Will Not Occur:	X
Conditions to Avoid:	None known.			
DECOMPOSITION PRODUCTS:	None			

SECTION 11 - HEALTH HAZARD DATA:

ROUTE(S) OF ENTRY:	Skin/Eye	Skin		
Inhalation: Yes	Contact: Yes	Absorption: No	Ingestion: Unlikely	

HEALTH HAZARDS (Acute and Chronic):

Acute (Short-Term) Effects: Harmful if swallowed or inhaled.

Eye contact: Dust and fume cause eye irritation.

Skin contact: Causes irritation. May cause an allergic skin reaction.

Inhalation: Inhalation of dust and fume causes respiratory and bronchial tract irritation tracts as well as effects due to absorption of lead, etc. in blood stream. Inhalation can cause an allergic and asthmatic reaction. Repeated and/or prolonged inhalation of dust/mist may cause impaired lung function. Smoking aggravates the effects of excessive dust/mist exposure. Some toxic gases associated with welding may cause pulmonary edema, asphyxiation and death.

Ingestion: Not likely during routine work activities. Ingestion of dust or fume must be avoided. Lead is toxic and cumulative, affecting the kidneys, reproductive system and central nervous system.

This product when used for welding and similar applications, produces chemicals know to cause cancer and berth defects (or reproductive harm).

Systemic Effects: Ingestion may affect the kidneys.

Chronic (Long-Term) Effects:

Chronic overexposure to lead can cause cancer, damage to the unborn child, and other reproductive harm. Exposure to lead is suspected of causing cancer. Can cause lead poisoning. Symptoms include anemia, insomnia, weakness, irritability, constipation and stomach pains. Tin is not regarded as toxic but excessive exposure can cause fever, nausea, stomach cramps or diarrhea.

Reproductive or Developmental Effects: The ingredient lead is listed on the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) list of chemicals known to cause adverse reproductive effects.

CARCINOGENICITY:	NTP: Yes	IARC: Yes	OSHA REGULATED:	Yes
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* Lead is listed as a suspect cancer-causing agent by the NTP and by the IARC.

CALIFORNIA PROP 65 WARNING STATEMENT:  WARNING: This product can expose you to chemicals, including lead, which is known to the State of California to cause cancer, birth defects and other reproductive harm. See www.P65Warnings.ca.com for additional information.

SIGNS AND SYMPTOMS OF EXPOSURE: Skin, eye and respiratory tract irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Individuals with upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema, and asthma. Persons who smoke and are exposed to solder fume are at a significantly higher risk of developing lung-related problems than people who do not smoke.

SECTION 12 - ECOLOGICAL INFORMATION:

Toxicity: No further relevant information is available.

Environmental Fate: Do not allow product or large quantities to reach ground water, water course or sewage system.

SECTION 13 - DISPOSAL:

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and/or federal regulations. This material is not classified as a hazardous waste and is not regulated under RCRA. Small amounts and cleanup debris can be disposed of as regular waste.

SECTION 14 - TRANSPORTATION DATA:

DOT Proper Shipping Name: Not Regulated by DOT

UN Hazard Class:

UN Number:

DOT Label:

SECTION 15 - REGULATORY INFORMATION:

OSHA Hazard Communication Standard 29 CFR 1910.1200

OSHA PELs 29 CFR 1910.1000 and 1910.1025

OSHA Respiratory Protection Standard 29 CFR 1910.134

EPA SARA Section 313: Immediate and Acute Hazards

California Proposition 65: Lead

Other States: Contact State OSHA or EPA officials

SECTION 16 - OTHER INFORMATION:

This Safety Data Sheet (SDS) was prepared to comply with the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS). The SDS also complies with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Controlled Products Regulation. SDS warnings/labeling were prepared with in accordance with California Proposition 65.

The information contained within this SDS is based on data believed to be correct and reliable. All information appearing within this SDS is based upon data obtained from suppliers of the raw materials. While the information is believed to be accurate, Creative Craftsmen Co. Inc. makes no representation as to its accuracy of sufficiency. No guarantee or warranty is expressed or implied regarding the accuracy of this data and information contained herein. Creative Craftsmen Co. Inc. expressly disclaims all expressed or implied warranties for merchantability and fitness for a particular purpose, with respect to the product or information provided herein.

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Provide employees training regarding the safe handling and use of this product including how to read and understand the information contained in SDSs.

Abbreviations:

ACGIH	American Industrial Hygiene Association	OSHA	Occupational Safety and Health Administration
CERCL	Comprehensive Environmental Response, Compensation and Liability Act of 1980	PEL	Permissible Exposure Limit
CAS#	Chemical Abstract Number	PPE	Personal Protective Equipment
CFR	Code of Federal Regulations	RCF	Refractory Ceramic Fibers
DOT	Department of Transportation	RCRA	Resource Conservation and Recovery Act
EPA	Environmental Protection Agency	RQ	Reportable Quantity
HMIS	Hazardous Material Information System	SDS	Safety Data Sheet
IARC	International Agency for Research on Cancer	STEL	Short-Term Exposure Limit
IDLH	Immediately Dangerous to Life and Health	TLV	Threshold Limit Value
LEL	Lower Explosive Limit	TWA	Time-Weighted Average
NA	Not Applicable	UEL	Upper Explosive Limit
NTP	National Toxicology Program	UN	United Nations

Date Prepared: 07/01/18