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MATERIAL SAFETY DATA SHEET

Product Name: AMACO Kiln Wash Product Code: Wash

Manufacturer's Name: American Art Clay Co., Inc.
4717 West 16th Street
Indianapolis, IN 46222

Information Number: (800) 374-1600

Emergency Number: (800) 374-1600

Section I – Product Identification

Product Name: AMACO Kiln Wash Product Class: Formulated Product Size: 1lb, 4lbs & 40lbs

AMACO Kiln Wash

Section II – Hazardous Ingredients

Reportable Components	CAS #	Vapor Pressure Mm Hg @ Temp	Weight Percent
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No reportable quantities hazardous ingredients are present.

No hazardous ingredients. Carries the "AP" Seal for the 1lb. and 4lbs. containers Carries the "CL Seal" for the 40lbs. Labeling conforms to ASTM D4236.

Section III – Physical / Chemical Characteristics

Boiling Range: NA	Specific Gravity (H ₂ O=1): Less than 2.
Vapor Density: Heavier than air.	Evaporation Rate: NA
Coating V.O.C.: NA	Material V.O.C.: NA
Appearance and Odor: Dry.	

Section IV _ Fire and Explosion Hazard Data

Flash Point: NA	Method Used: NA
Flammable Limits In Air By Volume: NA – Lower	NA – Upper
Extinguishing Media: NA	
Special Firefighting Procedures: None. No fire hazard.	
Unusual Fire and Explosion Hazards: None. No fire hazard.	

Section V – Reactivity Data

Stability: Stable	Conditions To Avoid: None
Incompatibility (Materials to Avoid): None	
Hazardous Decomposition or Byproducts: Will not occur.	
Hazardous Polymerization: Will not occur	

Section VI Health Hazard Data

Inhalation Health Risks and Symptoms of Exposure: None.

Skin and Eye Contact Health Risks and Symptoms of Exposure: Eye – rinse thoroughly with water for 15 minutes. If irritation persists, contact physician. Skin – wash hands with soap and water after use.

V-110

Skin Absorption Health Risks and Symptoms of Exposure: None.

Ingestion Health Risks and Symptoms of Exposure: No hazardous ingredients.

Health Hazards (Acute / Chronic): No hazardous ingredients.

Carcinogenicity: NTP Carcinogen – No IARC Monographs – No OSHA Regulated – NO

Medical Conditions Generally Aggravated by Exposure: Unknown.

Emergency and First Aid Procedures: Contact your local poison Control for further health information.

Section VII – Precautions For Safe Handling and Use

Steps To Be Taken In Case Material Is Released or Spilled: Specific steps not necessary.

Waste Disposal Method: Dispose of contaminated material in trash. In manufacturing, dispose of in accordance to Local, State or Federal regulations.

Precautions To Be Taken In Handling and Use: No specific steps necessary.

Other Precautions: Do not create dust.

Section VIII – Control Measures

Respiratory Protection: Not needed.

Ventilation: Not needed.

Protective Gloves: Not needed.

Eye Protection: Not needed.

Other Protective Clothing or Equipment: Not needed.

Work / Hygienic Practices: Refer to AMACO Product Encyclopedia and Safety Manual. Manual available upon request.

Section IX – Disclaimer

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Since conditions of use are beyond our control we make no warranties, expressed or implied, except for those that may be contained in our written acknowledgement.

Prepared by: L. Jenkins
2002

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MATERIAL SAFETY DATA SHEET

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Date Prepared: 10/14/03

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Glasspro Low Odor Cutting Oil
 General or Generic ID: ALIPHATIC HYDROCARBON

Company: Creative Craftsmen Co., Inc.
 27625 Diehl Road
 Warrenville, IL 60555-3838

Medical Emergency Telephone Number:
 1-888-215-4878

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
ALIPHATIC PETROLEUM DISTILLATES	64742-47-8	100.0

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin

Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, burns and other skin damage. May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Additional symptoms of skin contact may include: skin blistering.

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Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Symptoms of Exposure

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways), lung irritation, central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), loss of coordination, confusion, irregular heartbeat, narcosis (dazed or sluggish feeling), convulsions, coma.

Target Organ Effects

Exposure to this material (or a component) has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rat and the kidney effects are not expected to occur in humans. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, kidney damage.

Developmental Information

Based on the available information, risk to the fetus from maternal exposure to this material cannot be assessed.

Cancer Information

This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration. This product (or a component) is a petroleum-derived material. Similar materials and certain compounds occurring naturally in petroleum oils have been shown to cause skin cancer in laboratory animals following repeated exposure without washing or removal.

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Other Health Effects

No data

Primary Route(s) of Entry

Inhalation, Skin absorption, Skin contact, Eye contact, Ingestion.

4. FIRST AID MEASURES

Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Note to Physicians

Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 3 - Swallowing) when deciding whether to induce vomiting. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions), kidney. Exposure to this material may aggravate any preexisting condition sensitive to a
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 decrease in available oxygen, such as chronic lung disease,
 coronary artery disease or anemias.

5. FIRE FIGHTING MEASURES

Flash Point
 65.5 - 73.8 C (150.0 - 165.0 F) TCC

Explosive Limit
 (for product) Lower .6 Upper 7.0 %

Autoignition Temperature
 215.5 C (420.0 F)

Hazardous Products of Combustion
 May form: aldehydes, carbon dioxide and carbon monoxide, various hydrocarbons.

Fire and Explosion Hazards
 Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Extinguishing Media
 regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions
 Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

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NFPA Rating

Health - 0, Flammability - 2, Reactivity - 0

NFPA 30 Classification

Combustible Liquid Class IIIA

6. ACCIDENTAL RELEASE MEASURES

Small Spill

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

Large Spill

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Per good environmental management practices, prevent run-off to sewers, streams and other bodies of water. Stop spill at the source. Cover sewer grates and dike the spill. Absorb spilled material on to absorbents. Shovel materials into container. Close container tightly and dispose of properly.

7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five-gallon pails and larger metal containers, including tank cars and tank trucks, should be grounded and/or bonded when material is transferred. Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates. If this charge reaches a sufficiently high level, sparks can form that may ignite the vapors of flammable liquids. Warning. Sudden release of hot organic chemical vapors

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or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin Protection

Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protections

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Exposure Guidelines

Component

ALIPHATIC PETROLEUM DISTILLATES (64742-47-8)
ACGIH TLV 200.000 mg/m³ - TWA (Skin)

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9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point
(for product) 187.7 - 287.7 C (370.0 - 550.0 F) @ 760 mmHg

Vapor Pressure
(for product) .010 mmHg @ 68.00 F

Specific Vapor Density
> 5.000 @ AIR-1

Specific Gravity
.804 - .815 @ 60.00 F

Liquid Density
6.700 lbs/gal @ 60.00 F
.804 kg/l @ 16.00 C

Percent Volatiles
100.0 %

Volatile Organic Compounds (VOC)
100.000 %
804.000 g/l
6.700 lbs/gal

Evaporation Rate
< .10 (N-BUTYL ACETATE)

Appearance
COLORLESS TRANSPARENT LIQUID

State
LIQUID

Physical Form
HOMOGENEOUS SOLUTION

Color
CLEAR & COLORLESS

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Glasspro Low Odor Cutting Oil

Odor

MILD PARAFFIN

pH

Not applicable

Freezing Point

-42.7 C (-45.0 F)

Solubility in Water

LESS THAN 0.01

Bulk Density

.900 lbs/ft3

10. STABILITY AND REACTIVITY

Hazardous Polymerization

Product will not undergo hazardous polymerization.

Hazardous Decomposition

May form: aldehydes, carbon dioxide and carbon monoxide, various hydrocarbons.

Chemical Stability

Stable.

Incompatibility

Avoid contact with: chlorine, hypochlorites, strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

LD 50 and LC 50 Data

PETROLEUM DISTILLATES (CAS# 64742-47-8)

Oral LD50 (rat): >8000 mg/kg

Dermal LD50 (rabbit): >4000 mg/kg

Inhalation LC50 (rat, 4 hour): >2500 ppm

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12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATION

Waste Management Information

Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution Company, IC&S Environmental Services Group at 800-637-7922.

14. TRANSPORTATION INFORMATION

TDG Information

TDG Description:
NOT REGULATED BY T.D.G.

Container/Mode
55 GAL DRUM/TRUCK PACKAGE

NOS Component:
None

Other Transportation Information

The Transport Information may vary with the container and mode of shipment.

15. REGULATORY INFORMATION

Canada

WBMS Classification

Class A - Compressed Gas

Does not meet criteria

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Class B - Flammable & Combustible Material

B3 - Flammable and combustible material - Combustible liquid

Class C - Oxidizing Material

Does not meet criteria

Class D - Poisonous & Infectious - Division 1

Does not meet criteria

Class D - Poisonous & Infectious - Division 2

Does not meet criteria

Class E - Corrosive Material

Does not meet criteria

Class F - Dangerously Reactive Material

Does not meet criteria

This product has been classified in accordance with the hazard criteria of the CPD and the MSDS contains all the information required by the CPR.

DSL (Domestic Substance List) Status

DSL (CANADA) The intentional ingredients of this product are listed.

International Regulations

Inventory Status

AICS (AUSTRALIA) The intentional ingredients of this product are listed.
 ECL (SOUTH KOREA) The intentional ingredients of this product are listed.
 EINECS (EUROPE) The intentional ingredients of this product are listed.
 ENCS (JAPAN) The intentional ingredients of this product are listed.
 IECC (CHINA) The intentional ingredients of this product are listed.
 PICCS (PHILIPPINES) The intentional ingredients of this product are listed.
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listed.

TSCA (UNITED STATES) The intentional ingredients of this product are listed.

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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