



MATERIAL SAFETY DATA SHEET

Product Name: Gamblin Oil Painting Mediums
Revision Date 3/1/11

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT

Product Name: Gamblin Oil Painting Mediums, including:

- **Galkyd**
- **Galkyd Lite**
- **Galkyd Gel**
- **Galkyd Slow Dry**
- **Neo Megilp**

Product Description: Alkyd Resin/Petroleum Solvent Mixture

Intended Use: To mix with artists oil colors to modify working properties. This material should not be used for any other purpose without expert advice.
KEEP OUT OF REACH OF CHILDREN.

COMPANY

Gamblin Artists Colors Company
P.O. BOX 15009
Portland, OR 97293

**24 Hour Health Emergency
Product Technical Information
Supplier General Contact**

Local emergency room
503-235-1945 x12
503-235-1945

SECTION II -- HAZARDOUS INGREDIENTS

Chemical names	CAS#	Wt%	OSHA PEL	Supplier Rec.	EU HSPA
Alkyd Resin	8052-41-3	40-60	not hazardous		
Petroleum Distillates	Various	60-40	500 PPM	200 mg/m3	1200mg/m3

POTENTIAL HEALTH EFFECTS

Repeated exposure may cause skin dryness or cracking. If swallowed, may be aspirated and cause lung damage. Excessive and unusual exposure may be irritating to the eyes, nose, throat, and lungs.

NFPA Hazard ID: Health: 2 Flammability: 2 Reactivity: 0
HMIS Hazard ID: Health: 2 Flammability: 2 Reactivity: 0

These are reportable chemicals under 40 CFR 372. SARA Title III Section 313

Galkyd Painting Mediums 3/1/11**SECTION 3: HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW:**

This material is considered to be hazardous according to regulations

ROUTES OF ENTRY: Eye contact, ingestion, inhalation, or skin contact

:

POTENTIAL HEALTH EFFECTS

EYES: Eye contact may cause redness or irritation

SKIN: Skin Contact: May cause rash, cracking, dryness, or deflating of the skin

INGESTION: Ingestion: Nausea, gastrointestinal irritation, or vomiting

INHALATION: Dizziness, nausea, headache, and possible nervous system depression

ACUTE HEALTH HAZARDS: If swallowed, may be aspirated and cause lung damage

CHRONIC HEALTH HAZARDS: Skin contact may aggravate existing dermatitis

CARCINOGENICITY

OSHA: None

ACGIH: None

NTP:None

IARC:None

OTHER: None

SECTION 4: FIRST AID MEASURES

EYES: Wash with clean water for at least 15 minutes. If irritation persists, get medical attention

SKIN: In case of skin contact, wash skin thoroughly with soap and water. In case of skin contact, wash skin thoroughly with soap and water.

INGESTION: Do not induce vomiting. Give water or milk to drink, get medical attention.

INHALATION: If overcome by vapor, remove from exposure and call a physician immediately. If breathing is irregular or has stopped, start resuscitation, administer oxygen if available

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: If ingested material may be aspirated into the lungs and cause chemical pneumonia. Treat appropriately

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: 6.0
(% BY VOLUME) **LOWER:** 0.6

FLASH POINT:

Galkyd Lite 138 degree F, 58.9 C

Galkyd 136 degree F, 57.8 C

Galkyd Gel 147 degree F, 63.9 C

Galkyd Slow Dry 142 degree F, 61.1 C

Neo Megilp 137 degree F, 58.3 C

Galkyd Painting Mediums 3/1/11**AUTOIGNITION TEMPERATURE:**

F: 446
C: 230

NFPA HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0
OTHER: None

HMIS HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0
PROTECTION: N/D

EXTINGUISHING MEDIA: Use water fog. In case of skin contact, wash skin thoroughly with soap and water., In case of skin contact, wash skin thoroughly with soap and water. foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

SPECIAL FIRE FIGHTING PROCEDURES: Combustible. Evacuate area. Prevent runoff from fire control or dilution

From entering streams, sewers, or drinking water supplies. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

HAZARDOUS COMBUSTION PRODUCTS; Smoke, Fume, Incomplete combustion products. Oxides of carbon.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken in Case of Material Spill: Remove all sources of ignition. Soak up spill with absorbent materials.

Waste Disposal Method: Rags and other absorbent materials should be immersed in water. Small amounts can be dried and disposed of as regular trash

SECTION 7: HANDLING AND STORAGE

Precautions to be taken in handling and storage: Store away from high temperatures, sparks, or open flame. Read and observe all precautions on the product label.

OTHER PRECAUTIONS:

Wash hands after use. Immerse contaminated rags in water

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Use supplied air respiratory protection in confined or enclosed spaces, if needed.

Ventilation: Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in the air. No smoking, flame, or other ignition sources.

Protective Gloves: Use chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact.

Eye Protection: Safety glasses if eye contact is likely; eyewash fountain should be accessible.

ENGINEERING CONTROLS: The level of protection and types of controls necessary will vary depending upon potential exposure conditions.

VENTILATION : Adequate ventilation should be provided so that exposure limits are not exceeded.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Chemical resistant clothing is recommended.

Galkyd Painting Mediums 3/1/11

WORK HYGIENIC PRACTICES: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking.

EXPOSURE GUIDELINES: Naphtha(Petroleum)Hydrotreated Heavy, Vapor: Limit 1200 mg/m³. 196 ppm.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Amber

ODOR: Characteristic Hydrocarbon solvent

PHYSICAL STATE: Liquid or gel

BOILING POINT:

F: 318-390

C: 159-199

MELTING POINT:N/D

F:

C:

FREEZING POINT:N/D

F:

C:

VAPOR PRESSURE (mmHg): <0.1kPa

@20 C

VAPOR DENSITY (AIR = 1): 5

@ 101kPa (calculated)

SPECIFIC GRAVITY (H₂O = 1): .8-.9

EVAPORATION RATE (n-butyl acetate =1): 0.2

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: Negligible

PERCENT SOLIDS BY WEIGHT: 50-60

PERCENT VOLATILE:

BY WT/ BY VOL @ 50-60

VOLATILE ORGANIC COMPOUNDS (VOC): <450 g/l

MOLECULAR WEIGHT: N/A

VISCOSITY: N/A

SECTION 10: STABILITY AND REACTIVITY

STABLE yes

Galkyd Painting Mediums 3/1/11

STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID (STABILITY): avoid heat, sparks, open flames and other ignition sources.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizers

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Material does not decompose at ambient temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 11: TOXICOLOGICAL INFORMATION:

TOXICOLOGICAL INFORMATION: Inhalation: Minimally Toxic. Ingestion: LD50> 10000 mg/m³, Minimally toxic. Skin: LD50> 3160, Mildly irritating to skin with prolonged exposure.

SECTION 12: ECOLOGICAL INFORMATION**ECOLOGICAL INFORMATION:**

Ecotoxicity: May cause long term adverse effects in the aquatic environment.

Mobility: Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids.

PERSISTENCE AND MOBILITY

Biodegradation: Expected to be inherently biodegradable.

Hydrolysis: Transformation due to hydrolysis is not expected to be significant.

Photolysis: Transformation due to photolysis is not expected to be significant.

Atmospheric: Expected to degrade rapidly in air.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at the time of disposal.

At the time of disposal.

WASTE DISPOSAL METHOD:

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

RCRA HAZARD CLASS:

RCRA information: Disposal of unused product may be subject to RCRA regulations (40 CFR 261). Disposal of the used product may also be regulated due to ignitability, corrosivity, reactivity or toxicity as determined by Toxicity Characteristics Leaching Procedures (TCLP). Potential RCRA characteristics: IGNITABILITY.

Galkyd Painting Mediums 3/1/11**EMPTY CONTAINER WARNING:**

Empty containers may contain residue and can be dangerous. Do not attempt to clean container without proper instructions. to clean container without proper instructions. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified to clean container without proper instructions or licensed contractor to clean container without proper instructions and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

SECTION 14: TRANSPORT INFORMATION**U.S. DEPARTMENT OF TRANSPORTATION**

PROPER SHIPPING NAME: PETROLEUM DISTILLATES, N.O.S.

HAZARD CLASS: COMBUSTIBLE LIQUID

ID NUMBER: 1268

PACKING GROUP: 111

ERG NUMBER: 128

LABEL: NONE

TRANSPORT DOCUMENT NAME: UN1268, PETROLEUM DISTILLATES, N.O.S., COMBUSTIBLE LIQUID,PG111

WATER TRANSPORTATION

PROPER SHIPPING NAME: PETROLEUM DISTILLATES, N.O.S.

HAZARD CLASS: 3

EMS NUMBER: F-E, S-E

UN NUMBER; 1268

PACKING GROUP: 111

LABEL : 3

TRANSPORTATION DOCUMENT NAME; PETROLEUM DISTILLATES, N.O.S.,3, PG 111,(40°C cc)

Gamsol
2010

13 August

AIR TRANSPORTATION

PROPER SHIPPING NAME: PETROLEUM DISTILLATES, N.O.S.

HAZARD CLASS: 3

UN NUMBER: 1268

PACKING GROUP: 111

LABEL/MARK:

TRANSPORTATION DOCUMENT NAME; UN 1268, PETROLEUM DISTILLATES, N.O.S. 3, PG 111

SECTION 15: REGULATORY INFORMATION**U.S. FEDERAL REGULATIONS****TSCA (TOXIC SUBSTANCE CONTROL ACT):**

Disposal of unused product may be subject to RCRA regulations (40 CFR 261). Disposal of the used product may also be regulated due to ignitability, corrosivity, reactivity or toxicity as determined by Toxicity Characteristics Leaching Procedures (TCLP). Potential RCRA characteristics: IGNITABILITY

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

This material is not subject to ant special reporting.

Galkyd Painting Mediums 3/1/11

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES: Fire

313 REPORTABLE INGREDIENTS: None

STATE REGULATIONS: None found

INTERNATIONAL REGULATIONS: None found

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: N/D = Not determined, N/A= Not Applicable

PREPARATION INFORMATION:

DISCLAIMER: The information contained herein is based on the data available to use and is believed to be correct.

However, Gamblin Artists Colors Co. makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Gamblin assumes no responsibility for injury from the use of the product described herein.

MATERIAL SAFETY DATA SHEET

Manufacturer's Name: GAMBLIN ARTISTS COLORS CO.
 PO Box 15009
 Portland, OR 97293



Product: Refined Linseed Oil, Cold Pressed Linseed Oil, Stand Oil

SECTION 1 -- PRODUCT IDENTITY

Date prepared: 5-25-07

Emergency telephone no. 503/235-1945

Preparer's Name: R. Gamblin

HMIS Information

Health 0

Chemical name: Vegetable oil

Flammability 1

Reactivity 0

Chemical formula: N/A (mixture)

DOT shipping class: Class III Combustible

SECTION II -- HAZARDOUS INGREDIENTS

Chemical names	CAS#	Wt%	OSHA PEL	ACGIH TLV
	8001-26-1			

Is not hazardous under the Department of Labor definitions.

These are reportable chemicals under 40 CFR 372. SARA Title III Section 313

SECTION III -- PHYSICAL CHARACTERISTICS

Boiling range: N/A

Specific gravity: .9350

Vapor pressure: N/A

% volatile (volume): 0

Vapor density: N/A

Evaporation rate (BuOAc = 1): N/A

Solubility (specify solvents): Insoluble in water. Soluble in most petroleum solvents.

Appearance and odor: A pale yellow, oily liquid.

SECTION IV -- FIRE & EXPLOSION DATA

Flash point: >550 degree F

Extinguishing media: CO₂, dry chemical, water fog

Special firefighting procedures: water or foam may cause frothing if directed into container of burning material. Use water to cool containers exposed to heat.

Unusual fire & explosion hazards: contaminated rags or other easily ignited organic materials are spontaneously combustible. Immerse in water after use.

Reactivity: product is stable

Hazardous polymerization: will not occur

Conditions to avoid: avoid extreme heat

Hazardous decomposition products:

Usual products of combustion: CO, CO₂ and possibly acrolein.



SECTION V -- HEALTH HAZARD DATA

Route(s) of entry: Eye contact, ingestion of paint
Acute health effects: Eye contact may cause redness or irritation
Inhalation: N/A
Ingestion: No known adverse health effects
Skin contact: No known adverse health effects

EMERGENCY FIRST AID PROCEDURES:

Eye contact: wash with clean water for at least fifteen minutes. If irritation persists, get medical attention.
Inhalation: N/A
Skin contact: N/A

CHRONIC HEALTH EFFECTS:

Not listed as a carcinogen by the NTP, IARC, or OSHA; no adverse long-term effects are known.
No known adverse health effects to linseed oil.

SECTION VI -- SPILL OR LEAK PROCEDURE

Steps to be taken in case material is spilled: remove all sources of ignition. Soak up spill with absorbent materials.
Waste disposal method: Rags and absorbent materials should be immersed in water. Small amounts can be dried and disposed of as ordinary trash.

SECTION VII -- SPECIAL PROTECTION DATA

Respiratory protection: none normally required
Ventilation: none normally required
Protective gloves: none normally required
Eye protection: safety glasses if eye contact is likely; eyewash fountain should be accessible.

SECTION VIII -- STORAGE & HANDLING DATA

Precautions to be taken in handling and storage: store away from high temperature, sparks or open flame.
Read and observe all precautions on product label.

Other precautions: wash hands after use. Immerse contaminated rags in water.

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MATERIAL SAFETY DATA SHEET

Product Name: Cold Wax Medium
Revision Date: 3/1/11

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT

Product Name: Cold Wax Medium

Product Description: Natural Wax/Petroleum Solvent Mixture

Intended Use: To mix with artist oil colors to modify their working properties.
 To use as a matte final surface for an oil painting.
 To use as a matting agent for varnishes and painting mediums
 This material should not be used for any other purpose without expert advice.
KEEP OUT OF REACH OF CHILDREN.

COMPANY

Gamblin Artists Colors Company
 P.O. BOX 15009
 Portland, OR 97293

24 Hour Health Emergency
Product Technical Information
Supplier General Contact

Local emergency room
 503-235-1945 x12
 503-235-1945

SECTION 2: COMPOSITION OF PRODUCT

Chemical name: Natural Wax/Petroleum Solvent/ Mixture

Chemical names	CAS#	OSHA PEL	ACGIH TLV	Supplier Rec.	EU HSPA
Beeswax	Not hazardous				
Odorless Mineral Spirits	64742-48-9	500ppm	100ppm	1200 mg/m ³	1200mg/m ³

NFPA Hazard ID: Health: 1 Flammability: 2 Reactivity: 0
HMIS Hazard ID: Health: 1 Flammability: 2 Reactivity: 0

DOT shipping class: Combustible Liquid UN 1268

SECTION II -- HAZARDOUS INGREDIENTS

These are reportable chemicals under 40 CFR 372. SARA Title III Section 313

Cold Wax Medium 3/1/11

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

This material is considered to be hazardous according to regulations

ROUTES OF ENTRY: Eye contact, ingestion, inhalation, or skin contact
:

POTENTIAL HEALTH EFFECTS

EYES: Eye contact may cause redness or irritation

SKIN: Skin Contact: May cause rash, cracking, dryness, or deflating of the skin

INGESTION: Ingestion: Nausea, gastrointestinal irritation, or vomiting

INHALATION: Dizziness, nausea, headache, and possible nervous system depression

ACUTE HEALTH HAZARDS: If swallowed, may be aspirated and cause lung damage

CHRONIC HEALTH HAZARDS: Skin contact may aggravate existing dermatitis

CARCINOGENICITY

OSHA: None

ACGIH: None

NTP:None

IARC:None

OTHER: None

SECTION 4: FIRST AID MEASURES

EYES: Wash with clean water for at least 15 minutes. If irritation persists, get medical attention

SKIN: In case of skin contact, wash skin thoroughly with soap and water. In case of skin contact, wash skin thoroughly with soap and water.

INGESTION: Do not induce vomiting. Give water or milk to drink, get medical attention.

INHALATION: If overcome by vapor, remove from exposure and call a physician immediately. If breathing is irregular or has stopped, start resuscitation, administer oxygen if available

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: If ingested material may be aspirated into the lungs and cause chemical pneumonia. Treat appropriately

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: 6.0
(% BY VOLUME) LOWER: 0.6

FLASH POINT: 149 degrees F

Cold Wax Medium 3/1/11

AUTOIGNITION TEMPERATURE:

F: 446
C: 230

NFPA HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0
OTHER: None

HMIS HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0
PROTECTION: N/D

EXTINGUISHING MEDIA: Use water fog. In case of skin contact, wash skin thoroughly with soap and water. In case of skin contact, wash skin thoroughly with soap and water. foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

SPECIAL FIRE FIGHTING PROCEDURES: Combustible. Evacuate area. Prevent runoff from fire control or dilution

From entering streams, sewers, or drinking water supplies. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

HAZARDOUS COMBUSTION PRODUCTS; Smoke, Fume, Incomplete combustion products. Oxides of carbon.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken in Case of Material Spill: Remove all sources of ignition. Soak up spill with absorbent materials.

Waste Disposal Method: Rags and other absorbent materials should be immersed in water. Small amounts can be dried and disposed of as regular trash

SECTION 7: HANDLING AND STORAGE

Precautions to be taken in handling and storage: Store away from high temperatures, sparks, or open flame. Read and observe all precautions on the product label.

OTHER PRECAUTIONS:

Wash hands after use. Immerse contaminated rags in water

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Use supplied air respiratory protection in confined or enclosed spaces, if needed.

Ventilation: Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in the air. No smoking, flame, or other ignition sources.

Protective Gloves: Use chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact.

Eye Protection: Safety glasses if eye contact is likely; eyewash fountain should be accessible.

ENGINEERING CONTROLS: The level of protection and types of controls necessary will vary depending upon potential exposure conditions.

VENTILATION : Adequate ventilation should be provided so that exposure limits are not exceeded.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Chemical resistant clothing is recommended.

Cold Wax Medium 3/1/11

WORK HYGIENIC PRACTICES: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking.

EXPOSURE GUIDELINES: Naphtha(Petroleum)Hydrotreated Heavy, Vapor: Limit 1200 mg/m³. 196 ppm.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colorless paste

ODOR: Characteristic Hydrocarbon solvent

PHYSICAL STATE: paste

BOILING POINT:

F: 318-390

C: 159-199

MELTING POINT:N/D

F:

C:

FREEZING POINT:N/D

F:

C:

VAPOR PRESSURE (mmHg): <0.1kPa

@20 C

VAPOR DENSITY (AIR = 1): 5

@ 101kPa (calculated)

SPECIFIC GRAVITY (H₂O = 1): .8-.9

EVAPORATION RATE (n-butyl acetate =1): 0.2

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: Negligible

PERCENT SOLIDS BY WEIGHT: 50-60

PERCENT VOLATILE:

BY WT/ BY VOL @ 50-60

VOLATILE ORGANIC COMPOUNDS (VOC): <450 g/l

MOLECULAR WEIGHT: N/A

VISCOSITY: N/A

SECTION 10: STABILITY AND REACTIVITY

STABLE yes

Cold Wax Medium 3/1/11

STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID (STABILITY): avoid heat, sparks, open flames and other ignition sources.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizers

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Material does not decompose at ambient temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 11: TOXICOLOGICAL INFORMATION:

TOXICOLOGICAL INFORMATION: Inhalation: Minimally Toxic. Ingestion: LD50> 10000 mg/m³, Minimally toxic. Skin: LD50> 3160, Mildly irritating to skin with prolonged exposure.

SECTION 12: ECOLOGICAL INFORMATION**ECOLOGICAL INFORMATION:**

Ecotoxicity: May cause long term adverse effects in the aquatic environment.

Mobility: Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids.

PERSISTENCE AND MOBILITY

Biodegradation: Expected to be inherently biodegradable.

Hydrolysis: Transformation due to hydrolysis is not expected to be significant.

Photolysis: Transformation due to photolysis is not expected to be significant.

Atmospheric: Expected to degrade rapidly in air.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at the time of disposal.

At the time of disposal.

WASTE DISPOSAL METHOD:

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

RCRA HAZARD CLASS:

RCRA information: Disposal of unused product may be subject to RCRA regulations (40 CFR 261). Disposal of the used product may also be regulated due to ignitability, corrosivity, reactivity or toxicity as determined by Toxicity Characteristics Leaching Procedures (TCLP). Potential RCRA characteristics: IGNITABILITY.

Cold Wax Medium 3/1/11**EMPTY CONTAINER WARNING:**

Empty containers may contain residue and can be dangerous. Do not attempt to clean container without proper instructions. to clean container without proper instructions. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified to clean container without proper instructions or licensed contractor to clean container without proper instructions and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

SECTION 14: TRANSPORT INFORMATION**U.S. DEPARTMENT OF TRANSPORTATION**

PROPER SHIPPING NAME: PETROLEUM DISTILLATES, N.O.S.

HAZARD CLASS: COMBUSTIBLE LIQUID

ID NUMBER: 1268

PACKING GROUP: 111

ERG NUMBER: 128

LABEL: NONE

TRANSPORT DOCUMENT NAME: UN1268, PETROLEUM DISTILLATES, N.O.S., COMBUSTIBLE LIQUID,PG111

WATER TRANSPORTATION

PROPER SHIPPING NAME: PETROLEUM DISTILLATES, N.O.S.

HAZARD CLASS: 3

EMS NUMBER: F-E, S-E

UN NUMBER; 1268

PACKING GROUP: 111

LABEL : 3

TRANSPORTATION DOCUMENT NAME; PETROLEUM DISTILLATES, N.O.S.,3, PG 111,(40°C cc)

Gamsol
2010

13 August

AIR TRANSPORTATION

PROPER SHIPPING NAME: PETROLEUM DISTILLATES, N.O.S.

HAZARD CLASS: 3

UN NUMBER: 1268

PACKING GROUP: 111

LABEL/MARK:

TRANSPORTATION DOCUMENT NAME; UN 1268, PETROLEUM DISTILLATES, N.O.S. 3, PG 111

SECTION 15: REGULATORY INFORMATION**U.S. FEDERAL REGULATIONS****TSCA (TOXIC SUBSTANCE CONTROL ACT):**

Disposal of unused product may be subject to RCRA regulations (40 CFR 261). Disposal of the used product may also be regulated due to ignitability, corrosivity, reactivity or toxicity as determined by Toxicity Characteristics Leaching Procedures (TCLP). Potential RCRA characteristics: IGNITABILITY

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

This material is not subject to ant special reporting.

Cold Wax Medium 3/1/11

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES: Fire

313 REPORTABLE INGREDIENTS: None

STATE REGULATIONS: None found

INTERNATIONAL REGULATIONS: None found

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: N/D = Not determined, N/A= Not Applicable

PREPARATION INFORMATION:

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However, Gamblin Artists Colors Co. makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Gamblin assumes no responsibility for injury from the use of the product described herein.



Material Safety Data Sheet

Product Name: Gamsol
Revision Date 2/1/11
Page 1 of 7

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT

Product Name: Gamsol

Product Description: Odorless Mineral Spirits (OMS)

Product Codes: Gamsol 2oz, Gamsol 16oz, Gamsol 32oz, and Gamsol 128oz

Intended Use: Artists' oil painting solvent. Intended for thinning oil colors, thinning oil painting mediums, and general brush clean-up. Not intended for use with dammar-based mediums. Not intended for use with air-brushing or other spray techniques. This material should not be used for any other purpose without expert advice.
KEEP OUT OF REACH OF CHILDREN.

COMPANY

Gamblin Artists Colors Company
P.O. BOX 15009
Portland, OR 97293

**24 Hour Health Emergency
Product Technical Information
Supplier General Contact**

Local emergency room
503-235-1945 x12
503-235-1945

SECTION 2: COMPOSITION OF PRODUCT

Reportable Hazardous Substance(s) or Complex Substance(s)

Name	CAS#	Concentration
Naptha(Petroleum), Hydrotreated heavy	64742-48-9	100%

SECTION 3: HAZARDS IDENTIFICATION

This material is considered to be hazardous according to regulatory guidelines (see below).

POTENTIAL PHYSICAL / CHEMICAL EFFECTS

Combustible. Material can release vapors that readily form flammable mixtures. Vapor accumulation could flash and/or explode if ignited.

Product Name: Gamsol
Revision Date 2/1/11
Page 2 of 7

POTENTIAL HEALTH EFFECTS

Repeated exposure may cause skin dryness or cracking. If swallowed, may be aspirated and cause lung damage. Excessive and unusual exposure may be irritating to the eyes, nose, throat, and lungs.

NFPA Hazard ID:	Health: 1	Flammability: 2	Reactivity: 0
HMIS Hazard ID:	Health: 1	Flammability: 2	Reactivity: 0

SECTION 4: FIRST AID MEASURES

INHALATION

Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance.

SKIN CONTACT

Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.

EYE CONTACT

Flush thoroughly with water. If irritation occurs, get medical assistance.

INGESTION

Seek immediate medical attention. Do not induce vomiting.

NOTE TO PHYSICIAN

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Appropriate Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Inappropriate Extinguishing Media: Straight Streams of Water

FIRE FIGHTING

Unusual Fire Hazards: Combustible.

Hazardous Combustion Products: Smoke, Fume, Incomplete combustion products, Oxides of carbon

FLAMMABILITY PROPERTIES

Flash Point [Method]: >61C (142F) [ASTM D-93]

Flammable Limits (Approximate volume % in air): LEL: 0.7 UEL: 5.3

Auto Ignition Temperature: 335°C (635°F)

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Section 6: Accidental Release Measures

CLEAN-UP METHODS IN EVENT OF A SPILL

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Use rags or other absorbent material to mop-up any spilled material. Rags and other absorbent materials should be immersed in water. Small amounts can be dried and disposed of as regular trash

SECTION 7: HANDLING AND STORAGE

HANDLING

Avoid contact with skin. Prevent small spills and leakage to avoid slip hazard.

STORAGE

Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. Suitable Containers/Packing: Original packaging, other childproof containers.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

<u>Form</u>	<u>Standard</u>	<u>Recommended Limit</u>	<u>Source</u>
Vapor	PEL - TWA	500ppm	OSHA
Vapor	PEL - TWA	2900mg/m3	OSHA
Vapor	RCP-TWA	1200mg/m3	Supplier recommendation
Vapor	RCP-TWA	1200mg/m3	EU HSPA
Vapor	PEL - TWA	100ppm	ACGIH

NOTE: Limits/standards shown for guidance only. Follow applicable regulations. Always use material as directed and maintain proper ventilation.

CONTROLS AND PERSONAL PROTECTION

Personal Protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentrations and ventilation.

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

ENVIRONMENTAL CONTROLS

See Sections 6, 7, 12, 13.

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SECTION 9: ADDITIONAL PROPERTIES OF MATERIAL

General Information

Physical state: Liquid
Appearance: Colorless

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

Relative Density (at 15 C): 0.767
Density (at 15 °C): 769 kg/m³ (6.42 lbs/gal, 0.77 kg/dm³)
Flash Point [Method]: >61C (142F) [ASTM D-93]
Flammable Limits (Approximate volume % in air): LEL: 0.7 UEL: 5.3
Auto ignition Temperature: 335°C (635°F)
Boiling Point / Range: 185C (365F) - 211C (412F)
Vapor Density (Air = 1): 5.6 at 101 kPa
Vapor Pressure: 0.064 kPa (0.48 mm Hg) at 20 C | 0.13 kPa (0.98 mm Hg) at 38C
| 0.28 kPa (2.1 mm Hg) at 50C
Evaporation Rate (n-butyl acetate = 1): < 0.1
pH: N/A
Log Pow (n-Octanol/Water Partition Coefficient): N/D
Solubility in Water: Negligible
Viscosity: 1.55 cSt (1.55 mm²/sec) at 40 C | 1.99 cSt (1.99 mm²/sec) at 25C

OTHER INFORMATION

Freezing Point: N/D
Melting Point: N/A
Pour Point: -57°C (-71°F)
Molecular Weight: 163
Hygroscopic: No
Coefficient of Thermal Expansion: 0.00078 V/VDEGC

SECTION 10: STABILITY AND REACTIVITY OF MATERIAL

STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID: Avoid heat, sparks, open flames and other ignition sources.

HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Route of Exposure	Conclusion / Remarks
Inhalation	
Toxicity	Minimally Toxic
Irritation	Negligible hazard at ambient/normal handling temperatures. Based on test data for structurally similar materials.
Ingestion	
Toxicity: LD50 > 10000 mg/kg	Minimally Toxic
Skin	
Toxicity: LD50 > 3160 mg/kg	Minimally Toxic
Irritation	May dry the skin leading to discomfort and dermatitis. Based on test data for the material.
Eye	
Irritation	May cause mild, short-lasting discomfort to eyes. Based on test data for the material.

CHRONIC/OTHER EFFECTS

For the product itself:

Vapor/aerosol concentrations above recommended exposure levels are irritating to the eyes and respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects including death.

Prolonged and/or repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis.

Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

SECTION 12: ECOLOGICAL INFORMATION

The information given is based on data available for the material, the components of the material, and similar materials.

ECOTOXICITY

Material -- Not expected to be harmful to aquatic organisms.

Material -- Not expected to demonstrate chronic toxicity to aquatic organisms.

PERSISTENCE AND DEGRADABILITY

Biodegradation:

Material -- Expected to be readily biodegradable.

Hydrolysis:

Material -- Transformation due to hydrolysis not expected to be significant.

Photolysis:

Material -- Transformation due to photolysis not expected to be significant.

Atmospheric Oxidation:

Material -- Expected to degrade rapidly in air

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OTHER ECOLOGICAL INFORMATION

VOC (EPA Method 24): 6.401 lbs/gal

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

REGULATORY DISPOSAL INFORMATION

RCRA Information: The unused product is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP).

SECTION 14: TRANSPORT INFORMATION**LAND (DOT)**

Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S.
Hazard Class & Division: COMBUSTIBLE LIQUID
ID Number: 1268
Packing Group: III
ERG Number: 128
Label(s): NONE
Transport Document Name: UN1268, PETROLEUM DISTILLATES, N.O.S., COMBUSTIBLE LIQUID, PG III

Footnote: This material is not regulated under 49 CFR in a container of 119 gallon capacity or less when transported solely by land, as long as the material is not a hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.

LAND (TDG): Not Regulated for Land Transport

SEA (IMDG): Not Regulated for Sea Transport according to IMDG-Code

AIR (IATA): Not Regulated for Air Transport

SECTION 15: REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purpose, this material is classified as hazardous in accordance with OSHA 29CFR 1910.1200.

NATIONAL CHEMICAL INVENTORY LISTING: AICS, IECSC, DSL, EINECS, ENCS, KECI, PICCS, TSCA

EPCRA: This material contains no extremely hazardous substances.

CERCLA: This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLA petroleum exclusion applies for this product. Contact local authorities to determine if other reporting requirements apply.

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SARA (311/312) REPORTABLE HAZARD CATEGORIES: Fire.

SARA (313) TOXIC RELEASE INVENTORY: This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

SECTION 16: OTHER INFORMATION

N/D = Not determined, N/A = Not applicable

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The information and recommendations contained herein are, to the best of Gamblin's knowledge and belief, accurate and reliable, but it is not warranted to be. You can contact Gamblin to ensure that this document is the most current available. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use and it is the user's responsibility to carefully read the product label and follow instructions for safe use of the product.