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MATERIAL SAFETY DATA SHEET

Edition: August 2015

Gamblin Mediums—Gamsol

(TNL GBM00090-GBM00099)

SECTION 1. COMPANY AND PRODUCT IDENTIFICATION

PRODUCT NAME:	Gamsol
PRODUCT DESCRIPTION:	Odourless Mineral Spirits (OMS)
INTENDED USE:	Artists' oil painting solvent. Intended for thinning oil colours, thinning oil painting mediums, grounds and varnishes, and for general brush clean-up.
COMPANY NAME:	Gamblin Artists Colors
COMPANY ADDRESS:	323 SE Division Pl. Portland, OR 97202 USA
COMPANY PHONE:	503-235-1945

SECTION 2. HAZARDS IDENTIFICATION

GHS LABELING

GHS CLASSIFICATION:	Flammable liquid	Category 4
	Aspiration toxicant	Category 1

GHS PICTOGRAMS (S):

SIGNAL WORD: Danger

HAZARDS

HAZARDS STATEMENT:	H227	Combustible liquid
	H304	May be fatal if swallowed and enters airways
PRECAUTIONARY STATEMENTS:	P210	Keep away from flames and hot surfaces. -- No smoking
	P280	Wear protective gloves and eye / face protection
	P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
	P331	Do NOT induce vomiting
	P370 + P378	In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish
	P403 + P235	Store in a well-ventilated place. Keep cool
	P405	Store locked up
	P501	Dispose of contents and container in accordance with local regulations

PHYSICAL/ CHEMICAL HAZARDS: Material can accumulate static charges which may cause an ignition. Material can release vapours that readily form flammable mixtures. Vapor accumulation could flash and/or explode if ignited.
Combustible.

HEALTH HAZARDS:	Repeated exposure may cause skin dryness or cracking. May be irritating to the eyes, nose, throat, and lungs.		
ENVIRONMENTAL HAZARDS:	No significant hazards.		
NFPA HAZARD ID:	Health: 1	Flammability: 2	Reactivity: 0
HMIS HAZARD ID:	Health: 1[1]	Flammability: 2	Reactivity: 0

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

This material is defined as a complex substance.

CHEMICAL NAME	CAS#	CONCENTRATION (%)[2]	GHS HAZARD CODES
Naphtha (petroleum), hydrotreated heavy	64742-48-9	100%	H227, H304

SECTION 4. FIRST AID MEASURES

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

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

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. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

INGESTION: Seek immediate medical attention. Do not induce vomiting.

NOTE 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

APPROPRIATE EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

INAPPROPRIATE EXTINGUISHING MEDIA: Straight Streams of Water.

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: Oxides of carbon, Smoke, Fume, Incomplete combustion products.

UNUSUAL FIRE HAZARDS: Combustible.

FLAMMABILITY PROPERTIES
FLASH POINT [METHOD]: 62°C 144°F [ASTM D-93]

FLAMMABLE LIMITS (APPROXIMATE VOLUME % IN AIR): LEL: 0.7UEL:5.3

AUTOIGNITION TEMP.: 335°C 635°F

[1] All concentrations are percent by weight unless material is a gas. Gas concentrations are in percent by volume Concentration values may vary.

[2] As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES:

GENERAL: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks. The National Response Center can be reached at (800)424-8802.

PROTECTIVE MEASURES

GENERAL: Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required due to toxicity or flammability of the material. See Section 5 for fire fighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

FOR EMERGENCY RESPONDERS:

Respiratory protection: half-face or full-face respirator with filter(s) for organic vapor and, when appli cable, H2S, or Self Contained Breathing Apparatus (SCBA) can be used depending on the size of spill and potential level of exposure. If the exposure cannot be completely characterized or an oxy-gen deficient atmosphere is possible or anticipated, SCBA is recommended. Work gloves that are resistant to aromatic hydrocarbons are recommended. Note: gloves made of polyvinyl acetate (PVA) are not water-resistant and are not suitable for emergency use. Chemical goggles are recommend-ed if splashes or contact with eyes is possible. Small spills: normal antistatic work clothes are usual-ly adequate. Large spills: full body suit of chemical resistant, antistatic material is recommended.

SPILL MANAGEMENT:

LAND SPILL: Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do it without risk. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Prevent entry into waterways, sewer, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Use clean non-sparking tools to collect absorbed material. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Large Spills: Water spray may reduce vapor; but may not prevent ignition in closed spaces. Recover by pumping or with suitable absorbent.

WATER SPILL: Stop leak if you can do it without risk. Confine the spill immediately with booms. Warn other ship-ping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a spe-cialist before using dispersants.

NOTE: Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted.
Local regulations may prescribe or limit action to be taken.

SECTION 7. HANDLING AND STORAGE

HANDLING:

GENERAL: Avoid contact with skin. Prevent small spills and leakage to avoid slip hazard. Material can accumu-late static charges which may cause an electrical spark (ignition source). When the material is han-dled in bulk, an electrical spark could ignite any flammable vapors from liquids or residues that may be present (e.g., during switch-loading operations). Use proper bonding and/or ground procedures. However, bonding and grounds may not eliminate the hazard from static accumulation. Consult local applicable standards for guidance. Additional references include American Petroleum Institute 2003 (Protection Against Ignitions Arising out of Static, Lightning and Stray Currents) or National Fire Protection Agency 77 (Recommended Practice on Static Electricity) or CENELEC CLC/TR 50404 (Electrostatics - Code of practice for the avoidance of hazards due to static electricity).

LOADING/ UNLOADING TEMP.: [Ambient]

TRANSPORT TEMPERATURE: [Ambient]

STATIC ACCUMULATOR: [Ambient]

STATIC ACCUMULATOR: This material is a static accumulator. A liquid is typically considered a nonconductive, static accumulator if its conductivity is below 100 pS/m (100x10E-12 Siemens per meter) and is considered a semiconductive, static accumulator if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semiconductive, the precautions are the same. A number of factors, for example liquid temperature, presence of contaminants, anti-static additives and filtration can greatly influence the conductivity of a liquid.

STORAGE

GENERAL: The container choice, for example storage vessel, may effect static accumulation and dissipation. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. Storage containers should be grounded and bonded. Fixed storage containers, transfer containers and associated equipment should be grounded and bonded to prevent accumulation of static charge.

STORAGE TEMP.: [Ambient]

STORAGE PRESSURE: [Ambient]

CONTAINERS/PACKING: Tankers; Tank Trucks; Railcars; Barges; Drums.

SUITABLE MATERIALS AND COATINGS (CHEMICAL COMPATIBILITY): Inorganic Zinc Coatings; Epoxy Phenolics; Teflon; Neoprene; Stainless Steel; Carbon Steel.

UNSUITABLE MATERIALS AND COATINGS: Vinyl Coatings; Natural Rubber; Butyl Rubber; Ethylene-proplyene-diene monomer (EPDM).

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

EXPOSURE LIMITS / STANDARDS:

SUBSTANCE NAME	FORM	LIMIT / STANDARD			SOURCE
Naphtha (petroleum), hydrotreated heavy	N/A	TWA	400mg/m3	100 ppm	OSHA Z1
Naphtha (petroleum), hydrotreated heavy	Vapour	RCP-TWA	1200MG/M3	171 PPM	Manufacturer

NOTE: Exposure limits are not additive. Limits/standards shown for guidance only. Follow applicable regulations. No biological limits allocated.

ENGINEERING CONTROLS

CONTROL MEASURES TO CONSIDER: Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proof ventilation equipment.

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

PERSONAL PROTECTION

NOTE: Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

RESPIRATORY PROTECTION: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include: Half-face filter respirator. For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

HAND PROTECTION: Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and break through times for your use conditions. Inspect and replace worn or damaged gloves.

The types of gloves to be considered for this material include: If prolonged or repeated contact is likely, chemical resistant gloves are recommended. If contact with forearms is likely, wear gauntlet style gloves.

EYE PROTECTION: If contact is likely, safety glasses with side shields are recommended.

SKIN AND BODY PROTECTION: Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include: If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.

SPECIFIC HYGIENE MEASURES: 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 to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

ENVIRONMENTAL CONTROLS: Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

NOTE: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.

GENERAL:

PHYSICAL FORM:	Liquid or gel	
COLOUR:	Clear and colourless	
ODOUR:	Odourless	
ODOUR THRESHOLD:	N/D	
RELATIVE DENSITY:	(at 15°C):	0.765
DENSITY:	(at 15°C):	764 kg/m³ (6.38 lbs/gal, 0.76 kg/dm³)
FLAMMABILITY:	(Solid,Gas):	N/A
FLASH POINT:	[method]:	62°C (144°F) [ASTM D-93]
FLAMMABLE LIMITS:	(Approximate volume % in air):	LEL: 0.7 UEL: 5.3
AUTOIGNITION TEMP.:	335°C (635°F)	
BOILING POINT/RANGE:	189°C (372°F) - 209°C (408°F)	
VAPOUR DENSITY:	(Air = 1):	5.6 at 101 kPa
VAPOUR PRESSURE:	0.041 kPa (0.31 mm Hg) at 20 °C	
EVAPORATION RATE:	(n-butyl acetate = 1): 0.09	
PH:	N/D	
LOG POW:	(n-Octanol/Water Partition Coefficient): N/D	
SOLUBILITY IN WATER:	Negligible.	
VISCOSITY:	1.56 cSt (1.56 mm2/sec) at 40 °C | 2.02 cSt (2.02 mm2/sec) at 25°C	
OXIDIZING PROPERTIES:	See Hazards Identification Section.	
FREEZING POINT:	N/D	
MELTING POINT:	N/D	
POUR POINT:	-69°C (-92°F)	
MOLECULAR WEIGHT:	162	
HYGROSCOPIC:	No	
COEFFICIENT OF THERMAL EXPANSION:	0.00078 V/VDEGC	

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY: See sub-sections below.

STABILITY: Material is stable under normal conditions.

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

MATERIALS TO AVOID: Strong oxidizers

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

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

HAZARD CLASS	CONCLUSION / REMARKS
INHALATION	
Acute Toxicity: (Rat) 8 hour(s) LC50 > 5000 mg/m3 (Vapor)	Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 403
Irritation: No end point data for material.	Negligible hazard at ambient/normal handling temperatures
INGESTION	
Acute Toxicity (Rat): LD50 > 5000 mg/kg	Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 401
SKIN	
Acute Toxicity (Rabbit): LD50 > 5000 mg/kg	Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 402
Skin Corrosion/Irritation: Data available.	May dry the skin leading to discomfort and dermatitis. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 404
EYE	
Serious Eye Damage/Irritation: Data available.	May cause mild, short-lasting discomfort to eyes. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 405
SENSITIZATION	
Respiratory Sensitization: No end point data for material	Not expected to be a respiratory sensitizer.
Skin Sensitization: Data available.	Not expected to be a skin sensitizer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 406
Aspiration: Data available.	May be fatal if swallowed and enters airways. Based on physico-chemical properties of the material.
Germ Cell Mutagenicity: Data available.	Not expected to be a germ cell mutagen. Based on test data for structurally similar materials. Tests equivalent or similar to OECD Guideline 471 473 474 476 478 479
Carcinogenicity: Data available	Not expected to cause cancer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 453
Reproductive Toxicity: Data available.	Not expected to be a reproductive toxicant. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 414 421 422

HAZARD CLASS	CONCLUSION / REMARKS
Lactation: No end point data for material.	Not expected to cause harm to breast-fed children.
SPECIFIC TARGET ORGAN TOXICITY (STOT)	
Single Exposure: No end point data for material.	Not expected to cause organ damage from a single exposure.
Repeated Exposure: Data available.	Not expected to cause organ damage from prolonged or repeated exposure. Based on test data for structurally similar materials.

FOR THE PRODUCT ITSELF: Vapor concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system effects. 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

ECOTOXICITY: Not expected to be harmful to aquatic organisms.
Not expected to demonstrate chronic toxicity to aquatic organisms.

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.

VOC (EPA METHOD 24): 6.401 lbs/gal

TEST	DURATION	ORGANISM TYPE	TEST RESULTS
Aquatic - Acute Toxicity	96 hour(s)	Oncorhynchus mykiss	LL0 1000 mg/l: data for similar materials
Aquatic - Acute Toxicity	48 hour(s)	Daphnia magna	EL0 1000 mg/l: data for similar materials
Aquatic - Acute Toxicity	72 hour(s)	Pseudokirchneriella subcapitata	EL0 1000 mg/l: data for similar materials
Aquatic - Chronic Toxicity	21 day(s)	Daphnia magna	NOELR 1 mg/l: data for the material
Aquatic - Acute Toxicity	72 hour(s)	Pseudokirchneriella subcapitata	NOELR 1000 mg/l: data for similar materials

PERSISTENCE, DEGRADABILITY AND BIOACCUMULATION POTENTIAL

MEDIA	TEST TYPE	DURATION	TEST RESULTS
Water	Ready Biodegradability	28 day(s)	% Degraded 31.3 : similar material

SECTION 13. DISPOSAL CONSIDERATIONS

NOTE: 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.

WASTE DISPOSAL: 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 INFORMATION: The unused product, in our opinion, 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). However, used product may be regulated.

EMPTY CONTAINER: Empty containers may contain residue and can be dangerous. Do not attempt to clean container without proper instructions. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor 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

LAND (DOT)

PROPER SHIPPING NAME: Petroleum distillates, N.O.S.

HAZARD CLASS: Combustible liquid

ID NUMBER: 1268

PACKING GROUP: III

ERG NUMBER: 128

LABEL(S): None

TRANSPORT DOC. NAME: UN1268, PETROLEUM DISTILLATES, N.O.S., COMBUSTIBLE LIQUID, PG III

NOTE: 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

MARINE POLLUTANT: No

AIR (IATA): Not Regulated for Air Transport

SECTION 15. REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD: This material is considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200. Listed or exempt from listing/notification on the following chemical inventories: AICS, DSL, ENCS, IECSC, KECI, PICCS, TSCA

EPCRA SECTION 302: 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

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

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

The following ingredients are cited on the lists below: None

REGULATORY LISTS SEARCHED

1 = ACGIH ALL	6 = TSCA 5a2	11 = CA P65 REPRO	16 = MN RTK	4 = OSHA Z	15 = MI 293
2 = ACGIH A1	7 = TSCA 5e	12 = CA RTK	17 = NJ RTK	9 = TSCA 12b	
3 = ACGIH A2	8 = TSCA 6	13 = IL RTK	18 = PA RTK	14 = LA RTK	19 = RI RTK
5 = TSCA 4	10 = CA P65 CARC				

Code key: CARC=Carcinogen; REPRO=Reproductive

SECTION 16. OTHER INFORMATION

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

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS: Updates made in accordance with imple mentation of GHS requirements

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.

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MATERIAL SAFETY DATA SHEET

Edition: August 2015

Gamblin Mediums—Cold Wax Medium

(TNL GBM03004 -GBM03099)

SECTION 1. COMPANY AND PRODUCT IDENTIFICATION

PRODUCT NAME:	Cold Wax Medium
PRODUCT DESCRIPTION:	Beeswax/Petroleum Solvent Mixture
INTENDED USE:	To mix with artists oil paints to modify working properties. To use as a matte final surface for al painting. To use as a matting agent for varnishes and painting mediums.
COMPANY NAME:	Gamblin Artists Colors
COMPANY ADDRESS:	323 SE Division Pl. Portland, OR 97202 USA
COMPANY PHONE:	503-235-1945

SECTION 2. HAZARDS IDENTIFICATION

GHS LABELING

GHS CLASSIFICATION:	Flammable liquid	Category 4
	Aspiration toxicant	Category 1

GHS PICTOGRAMS (S):

SIGNAL WORD: Danger

HAZARDS

HAZARDS STATEMENT:	H227	Combustible liquid
	H304	May be fatal if swallowed and enters airways
PRECAUTIONARY STATEMENTS:	P210	Keep away from flames and hot surfaces. -- No smoking
	P331	Do NOT induce vomiting
	P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
	P370 + P378	In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish
	P501	Dispose of contents and container in accordance with local regulations

POTENTIAL HEALTH EFFECTS:

Eyes, Nose, Throat, Lungs:	May be irritating
Skin:	May cause rash, cracking, dryness, or deflating of the skin.
Ingestion:	May cause nausea, gastrointestinal irritation, or vomiting
Inhalation:	N/A

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

CHRONIC HEALTH HAZARDS: Skin contact may aggravate existing dermatitis.

ENVIRONMENTAL HAZARDS: No significant hazards.

NFPA Hazard ID: Health 1 Flammability 2 Reactivity 0

HMIS Hazard ID: Health 1* Flammability 2 Reactivity 0

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS#	CONCENTRATION (%)*	GHS HAZARD CODES	SUPPLIER REC.	EU HSPA
Alkyd Resin	Proprietary	5-15	H227, H304	N/A	N/A
Petroleum Distillates	Various	40-60	H227, H304	200 mg/m3	1200 mg/m3
Beeswax	8012893	40-60	None	N/A	N/A

*As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

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.

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.

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

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

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO_2) 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.

UNUSUAL FIRE HAZARDS: Combustible

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

FLAMMABLE LIMITS IN AIR: UPPER 5.3% by volume
LOWER 0.7% by volume

FLASH POINT: >158°F 70°C

AUTOIGNITION TEMPERATURE: 635°F 335°C

SECTION 6. ACCIDENTAL RELEASE MEASURES

MATERIAL SPILL STEPS:	Remove all sources of ignition Soak up spill with absorbent materials
WASTE DISPOSAL:	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:	Store away from high temperatures, sparks, or open flame Read and observe all precautions on the product label Wash hands after use Immerse contaminated rags in water

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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 VENTILATION:	Adequate ventilation should be provided so that exposure limits are not exceeded.
HYGIENE:	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
OTHER:	Chemical resistant clothing is recommended.
NOTE:	The level of protection and types of controls necessary will vary depending upon potential exposure conditions.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Semi-solid
FORM:	Paste
COLOUR:	White
ODOUR:	Mild Petroleum
ODOUR THRESHOLD:	N/D
BOILING POINT:	318-390°F 159-199°C
MELTING POINT:	N/D
FREEZING POINT:	N/D
VAPOUR PRESSURE:	<0.1kPa @ 20°C (mmHg)
VAPOUR DENSITY:	(AIR = 1): 5 @ 101 kPa (calculated)
SPECIFIC GRAVITY:	(H2O = 1): 0.8-0.9
EVAPORATION RATE:	(n-butyl acetate =1): 0.2
SOLUBILITY IN WATER:	Negligible
SOLIDS BY WEIGHT:	50-60%
VOLATILE:	By WT/By VOL @ 50-60 Volatile Organic Compound (VOC): <450G/L

SECTION 10. STABILITY AND REACTIVITY

STABILITY: Material is stable under normal conditions

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

MATERIALS TO AVOID: Strong oxidizers

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

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur

SECTION 11. TOXICOLOGICAL INFORMATION

HAZARD CLASS	CONCLUSION / REMARKS
INHALATION	
Acute Toxicity: (Rat) 8 hour(s) LC50 > 5000 mg/m3 (Vapor)	Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 403
Irritation: No end point data for material.	Negligible hazard at ambient/normal handling temperatures.
INGESTION	
Acute Toxicity (Rat): LD50 > 5000 mg/kg	Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 401
SKIN	
Acute Toxicity (Rabbit): LD50 > 5000 mg/kg	Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 402
Skin Corrosion/Irritation: Data available	May dry the skin leading to discomfort and dermatitis. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 404
EYE	
Serious Eye Damage/Irritation: Data available.	May cause mild, short-lasting discomfort to eyes. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 405
SENSITIZATION	
Respiratory Sensitization: No end point data for material.	Not expected to be a respiratory sensitizer.
Skin Sensitization: Data available.	Not expected to be a skin sensitizer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 406
Aspiration: Data available.	May be fatal if swallowed and enters airways. Based on physico-chemical properties of the material.
Germ Cell Mutagenicity: Data available.	Not expected to be a germ cell mutagen. Based on test data for structurally similar materials. Tests equivalent or similar to OECD Guideline 471 473 474 476 478 479
Carcinogenicity: Data available.	Not expected to cause cancer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 453

HAZARD CLASS	CONCLUSION / REMARKS
Reproductive Toxicity: Data available.	Not expected to be a reproductive toxicant. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 414 421 422
Lactation: No end point data for material.	Not expected to cause harm to breast-fed children.
SPECIFIC TARGET ORGAN TOXICITY (STOT)	
Single Exposure: No end point data for material.	Not expected to cause organ damage from a single exposure.
Repeated Exposure: Data available.	Not expected to cause organ damage from prolonged or repeated exposure. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 408 413 422

SECTION 12. 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.

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

NOTE: 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.

WASTE DISPOSAL: 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 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

EMPTY CONTAINER: Empty containers may contain residue and can be dangerous. Do not attempt to clean container without proper instructions. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor 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

LAND (DOT)

PROPER SHIPPING NAME: Petroleum distillates, N.O.S.

HAZARD CLASS: Combustible liquid

ID NUMBER: 1268

PACKING GROUP: III

LABEL(S):	3
TRANSPORT DOC. NAME:	UN1268, PETROLEUM DISTILLATES, N.O.S., COMBUSTIBLE LIQUID, PG III, (40ºC cc)

SEA (IMDG)

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
TRANSPORT DOC. NAME:	UN1268, PETROLEUM DISTILLATES, N.O.S., COMBUSTIBLE LIQUID, PG III, (40ºC cc)

AIR (IATA)

PROPER SHIPPING NAME:	Petroleum distillates, N.O.S.
HAZARD CLASS:	3
UN NUMBER:	1268
PACKING GROUP:	111
LABEL(S):	None
TRANSPORT DOC. NAME:	UN1268, PETROLEUM DISTILLATES, N.O.S., COMBUSTIBLE LIQUID, PG III

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 special reporting.

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

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

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS: Updates made in accordance with implementation of GHS requirements.

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.

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MATERIAL SAFETY DATA SHEET

Edition: March 2016

Gamblin Mediums—Galkyd, Galkyd Slow Dry

(GBM01004—GBM02516)

SECTION 1. COMPANY AND PRODUCT IDENTIFICATION

PRODUCT NAME:	Galkyd, Galkyd Slow Dry
INTENDED USE:	Mixing agent for artists' oil colours
RESTRICTIONS:	Keep out of reach of children
COMPANY NAME:	Gamblin Artists Colors
COMPANY ADDRESS:	323 SE Division Pl. Portland, OR 97202 USA
COMPANY PHONE:	503-235-1945

SECTION 2. HAZARDS IDENTIFICATION

HAZARDS:

FLAMMABLE LIQUID	Category 4, Combustible liquid
SKIN CORROSION/IRRITATION	Category 2, Causes skin irritation
AQUATIC CHRONIC TOXICITY	Category 3, Toxic to aquatic life with long lasting effects
SPECIFIC TARGET ORGAN TOXICITY —SINGLE EXPOSURE (CNS)	Category 3, May cause drowsiness or dizziness

PRECAUTIONARY STATEMENTS:

PREVENTION:	Keep away from flames and hot surfaces. No smoking. Wear protective gloves, eye and face protection. Wash hands and exposed areas thoroughly after handling. Avoid breathing fumes or vapors. Use only outdoors or in a well-ventilated area.
RESPONSE:	In case of fire: Use water mist, dry chemical or CO2 to extinguish. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. If on skin: Wash with plenty of water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice or attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.
STORAGE:	Store in a locked, well ventilated place. Keep cool. Keep container tightly closed.
DISPOSAL:	Dispose of contents and container in accordance with all regulations.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT NAME	CAS#	COMPONENT PERCENT
Petroleum naphtha	64742-48-9	40-60
Alkyd resin		40-60
Safflower Oil*	8001-23-8	10-20

*Galkyd Slow Dry only

SECTION 4. FIRST AID MEASURES

EYE CONTACT:	Flush thoroughly with water. If irritation persists, get medical attention
SKIN CONTACT:	In case of skin contact, wash skin thoroughly with soap and water. Remove contaminated clothing and launder before reuse.
INGESTION:	Do not induce vomiting. Give water or milk to victim if conscious; get medical attention.
INHALATION:	Move victim to fresh air. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. Start resuscitation if victim is overcome and call a physician immediately.

MOST IMPORTANT SYMPTOMS / EFFECTS:

EYE:	May cause redness or irritation
SKIN:	May cause rash, cracking or dryness
INHALATION:	May cause dizziness, nausea, headache, and possible central nervous system (cns) depression
INGESTION:	May cause nausea, gastrointestinal irritation or vomiting

CHRONIC EXPOSURE: Repeated or prolonged skin contact may aggravate existing dermatitis

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT, IF NECESSARY:
Persistent eye or skin irritation, ingestion, difficulty in breathing, unconsciousness or respiratory distress. Aspirated material may cause chemical pneumonia.

SECTION 5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:
Use fire-fighting techniques such as water fog, foam, dry chemical or carbon dioxide (CO2). Use a water spray to cool fire-exposed containers, structures and to protect personnel .

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:
Burning material may produce toxic smoke, fumes and vapours in a fire. Closed containers may rupture or explode when exposed to extreme heat.

SPECIFIC PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:
Do not enter confined fire space without full equipment and a positive pressure NIOSH-approved self-contained breathing apparatus. Closed containers may explode from high heat.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:
Isolate release area and keep unnecessary or untrained people away. Avoid skin or eye contact with spilled material. See Section 8 for personal protection gear.

ENVIRONMENTAL PRECAUTIONS:
Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers or waterways. Advise EPA, state or local agencies as required.

METHODS FOR CLEANING UP:
Do not discharge to the environment. Soak up with absorbent materials. Small spills can be evaporated and absorbent disposed of in trash. Larger spills should be transferred to labeled containers for recovery or safe disposal.

SECTION 7. HANDLING AND STORAGE

HANDLING:
Avoid contact with eyes or prolonged skin contact. Keep away from food and beverages. Open container slowly to control possible pressure release. Prevent or clean up small spills and leakage to avoid slip hazard. Always observe good personal hygiene such as washing after handling the material and before eating, drinking or smoking. Routinely wash work clothing and protective equipment. Practice good housekeeping.

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

STORAGE:
Keep containers closed when not in use. Store in a cool, well-ventilated area. Use original or other childproof, compatible container.

SECTION 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

EXPOSURE LIMITS

COMPONENT NAME	ACGIH	OSHA	EU HSPA
Petroleum naphtha	Not Established	500 ppm	1,200 mg/m3

ENGINEERING CONTROLS:
Use appropriate ventilation to maintain airborne concentration limits below exposure limits.

PROTECTIVE EQUIPMENT:
Wear safety glasses; other equipment will vary based on potential exposure conditions.

RESPIRATORY PROTECTION:
Maintain good ventilation or air flow. Use a respirator in areas where the exposure is unknown or above OSHA or ACGIH limits.

GENERAL HYGIENE:
Wash thoroughly with soap and water after task or shift, when using the restroom or before eating.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Amber liquid or gel

SPECIFIC GRAVITY: 0.8 – 0.9 (Water = 1)

EVAPORATION RATE: <1 (ether =1)

SOLUBILITY IN WATER: Negligible

ODOUR: Characteristic hydrocarbon

FLASH POINT: 158 °F (PMCC)

AUTOIGNITION TEMP.: 446 °F

VAPOUR PRESSURE: < 0.1 (kPa@68 °F)

VAPOUR DENSITY: 5

NOTE: Physical and chemical properties are provided for safety, health and environmental considerations and do not fully represent product specifications. Those should be requested separately.

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY: Not reactive at normal storage and use conditions.

CHEMICAL STABILITY: Stable at normal storage and use conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur under normal conditions .

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

INCOMPATIBLE MATERIALS: Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Applicable.

SECTION 11. TOXICOLOGICAL INFORMATION

Specific toxicity tests have not been conducted on this mixture. In accordance with OSHA's Hazard Communication Standard 1910.1200, this mixture is assumed to have the same health hazards as its significant components.

ACUTE TOXICITY EFFECTS:
Product can cause mild eye or skin irritation depending on length and degree of exposure. Repeated exposure may cause skin dryness or cracking. Inhalation of vapours above recommended levels may cause respiratory system irritation or CNS depression. Ingestion may irritate the mouth, throat and stomach.

CHRONIC TOXICITY EFFECTS: Long term or repeated exposure may aggravate any acute symptoms.

CARCINOGENICITY: No components of this product above the declaration level of 0.1% have been identified by IARC, OSHA or NTP as carcinogenic.

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY:	Not Determined
MOBILITY:	Not Determined
DEGRADABILITY:	Not Determined
BIOACCUMULATION:	Not Determined

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state/province, and federal environmental regulations. Disposal recommendations based on material as supplied. 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. 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.

SECTION 14. TRANSPORT INFORMATION

DOT INFORMATION: Petroleum distillates, n.o.s. UN1268, PG III, Class 3

SECTION 15. REGULATORY INFORMATION

INVENTORY LISTINGS: All components are listed on the TSCA inventory.

SARA 311/312 REPORTING CATEGORIES: Flammable, acute, chronic hazard.

SARA 313 REPORTABLE INGREDIENTS: None at levels above reporting limits.

SECTION 16. OTHER INFORMATION

HMIS	1-2-0
NFPA	1-2-0

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. We assumes no responsibility for injury from the use of the product described herein.

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MATERIAL SAFETY DATA SHEET

Edition: November 2015

Gamblin Mediums—PVA Size

(TNL GBM01308 - GBM01332)

SECTION 1. COMPANY AND PRODUCT IDENTIFICATION

PRODUCT NAME:	Gamblin PVA Size
INTENDED USE:	Fine art painting and decorative coatings
COMPANY NAME:	Gamblin Artists Colors
COMPANY ADDRESS:	323 SE Division Pl. Portland, OR 97202 USA
COMPANY PHONE:	503-235-1945

SECTION 2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION: Not classified as hazardous.

HAZARDS

POTENTIAL HEALTH EFFECTS:

EYES:	No known health effects.
SKIN:	Skin irritation may occur. Possible dermatitis on prolonged or repeated contact. Hot solutions may cause burns.
INGESTION:	No known health effects.
INHALATION:	Inhalation of dust may cause irritation of throat and respiratory tract.

ACUTE HEALTH HAZARDS: No known health hazards.

CHRONIC HEALTH HAZARDS: No known health hazards

ENVIRONMENTAL HAZARDS: No significant hazards.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS: No hazardous components present in the preparations.

SECTION 4. FIRST AID MEASURES

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

SKIN: Wash skin thoroughly with soap and water.

INHALATION: Remove affected persons to fresh air and consult a physician.

INGESTION: Rinse mouth. Seek medical attention.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: No additional information available.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water Fog, Foam, Alcohol Foam, Dry Chemical.

UNSUITABLE EXTINGUISHING MEDIA: Carbon Dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Use smoke mask.
When exposed to open flame or extreme heat, this material will char and eventually disintegrate with emission of smoke, leaving only a residual ash. Glue dust dispersed into the air may form explosive mixtures.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: N/A

ENVIRONMENTAL PRECAUTIONS: Dispose in accordance with local, state and federal environmental regulations. Small amounts of solution may be washed into sanitary sewers, if local disposal district regulations allow.

METHODS FOR CLEAN UP: Sweep up dry material. Allow solutions to cool completely and gel; then strip from surface. Clean up residue with warm water.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Read and observe all precautions on the product label
Wash hands after use and immerse contaminated rags in water

CAUTIONS FOR SAFE STORAGE: Store in a cool, dry place. Empty packaging carefully to avoid dispersing dust into the air. Sweep up dust accumulations, if they occur. Industrial vacuum cleaner is preferred in order not to re-disperse dust into the air. Avoid contact with water prior to use.

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

PERSONAL PROTECTION:

RESPIRATORY PROTECTION: No particular respiratory protection requirements.

VENTILATION: No particular ventilation requirements.

PROTECTIVE GLOVES: No particular hand protection requirements.

EYE PROTECTION: Safety glasses if eye contact is likely; eyewash fountain should be accessible.

ENGINEERING CONTROLS:

VENTILATION: No particular ventilation requirements.

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

EXPOSURE GUIDELINES: N/A

OTHER: No additional protective controls.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Paste

COLOUR: Various

ODOUR: Vegetable oil

FLASH POINT: >500°F (260°C)

SOLIDS BY WEIGHT:` 50-60%

SOLUBILITY IN WATER: Insoluble

BOILING POINT: N/A

MELTING POINT: N/A

FREEZING POINT: N/A

VAPOUR DENSITY: N/D

VAPOUR PRESSURE: N/D

EVAPORATION RATE: N/A

SECTION 10. STABILITY AND REACTIVITY

STABILITY: Material is stable under normal conditions.

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

MATERIALS TO AVOID: No additional information.

HAZARDOUS DECOMPOSITION OR BI-PRODUCTS: Carbon monoxide and carbon dioxide.

POSSIBILITY OF HAZARDOUS REACTIONS: Product is chemically stable and generally compatible with other substances.

SECTION 11. TOXICOLOGICAL INFORMATION

HAZARD CLASS	CONCLUSION/REMARKS
INHALATION	
Acute Toxicity	Not classified
INGESTION	
Acute Toxicity	May cause discomfort if swallowed
SKIN	
Acute Toxicity	Slight irritant effect on skin and mucous membrane
EYE	
Serious Eye Damage/Irritation	Slight irritant effect on eyes
SENSITIZATION	
Eye, Skin, Aspiration, Reproductive, Carcinogenicity	No sensitizing effects known
SPECIFIC TARGET ORGAN TOXICITY (STOT)	
Single Exposure	Not classified (No Data Available)
Repeated Exposure	Not classified (No Data Available)

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY: No test data available.

MOBILITY: No information available.

BIODEGRADATION: No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

NOTE: 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.

WASTE DISPOSAL: Dispose of in accordance with national, state, and local regulations.

EMPTY CONTAINER: Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations.

SECTION 14. TRANSPORT INFORMATION

LAND (DOT): Not regulated

SEA (IMDG): Not regulated

AIR (IATA): Not regulated

SECTION 15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS TSCA (TOXIC SUBSTANCE CONTROL ACT): Substance is listed

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):
313 REPORTABLE INGREDIENTS: None

STATE REGULATIONS: None found

INTERNATIONAL REGULATIONS: None found

SECTION 16. OTHER INFORMATION

NFPA HAZARD CODES:	Health	0
	Fire	1
	Reactivity	0
	Special	N/A
HMIS RATING:	Health	1
	Flammability	1
	Reactivity	0

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

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.