



Material Safety Data Sheet

Product Name: Gamsol
Revision Date 2/1/11
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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.

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
HMS 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)

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/m ³	OSHA
Vapor	RCP-TWA	1200mg/m ³	Supplier recommendation
Vapor	RCP-TWA	1200mg/m ³	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.

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.

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.