

SAFETY DATASHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label: **GENTEM LOW VOC SOLVENTBORNE PAINT**

Other means of identification: OIL BASED (SOLVENT BORNE) ROAD PAINT
Product Code: GT6001, GT6002

Product use : Use in road and construction products.
Area of application : For industrial/professional use only.
Chemical family : Mixture

Name, address, and telephone number of the supplier:

Gentem Inc.
35 Fraser Court, Unit 2
Barrie, Ontario L4N 5J5

Name, address, and telephone number of the manufacturer:

See supplier

Supplier's Tel # : 888-919-8842

Supplier's Email : info@gentem.ca

24 Hr. Emergency Tel # : **CHEMTREC**: 1-800-424-9300 or +1-703-527-3887 (24/7)

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

This product is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

Label elements

Hazard Pictogram(s)



Signal Word

Danger

Hazard Statement(s)

Carcinogenicity, category 2	H351	Suspected of causing cancer.
Flammable Liquid, category 2	H225	Highly flammable liquid and vapour.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.
STOT, single exposure, category 3, RTI	H335	May cause respiratory irritation.

Label Precautionary Statement(s)

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor if you feel unwell.
P370+P378	In case of fire: Use dry chemical, carbon dioxide, or foam to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local rules and regulations.

SDS Precautionary Statement(s)

P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	CAS #	Concentration (%wt)
ACETONE	67-64-1	1-2.5
AROMATIC PETROLEUM DISTILATES	64742-94-5	1-2.5
XYLENE	1330-20-7	8-12
TITANIUM DIOXIDE	13463-67-7	2-10

The exact concentrations of the above listed chemicals are being withheld as a trade secret. The ingredients listed are encapsulated within the matrix; therefore, no exposure to these materials is expected during proper use/handling of this product.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

Ingestion	: Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician if necessary.
Inhalation	: Move person to fresh air and keep comfortable for breathing. If breathing has stopped give artificial respiration. If breathing is difficult give oxygen by qualified medical personnel only. Obtain medical attention if coughing or other symptoms persist.
Skin Contact	: Remove/take off all contaminated clothing. Flush skin with running water and wash affected areas thoroughly with water. If skin irritation persists contact a physician.
Eye Contact	: Rinse with plenty of water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists obtain medical attention.

Most Important Symptoms and Effects (both acute and delayed)

: Excessive or prolonged exposure can cause the following: Headache confusion
Irritation Product has dermal defatting effect.

Indication of any immediate medical attention and special treatment needed

: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

General Fire Hazards

: Vapours are heavier than air. Flammable liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint. Remove sources of ignition. Also keep emptied containers

away from sources of heat and ignition. Keep out unprotected persons. In case of fire, remove the endangered barrels and bring to a safe place, if this can be done safely. Containers exposed to heat (fire) may build up pressure. Cool by splashing with water. Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media

Suitable Extinguishing Media

: Use Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam.

Unsuitable Extinguishing Media

: Do not use a high volume water jet as it may scatter and spread fire.

Hazardous decomposition products

: Decomposition products may include the following materials:

carbon dioxide
carbon monoxide
nitrogen oxides
halogenated compounds
metal oxide/oxides

Special hazards arising from the substance or mixture / Conditions of flammability

: May be released in case of fire: carbon monoxide, carbon dioxide, organic products of decomposition. Closed container may rupture if strongly heated. Vapours may form explosive mixtures with air. Combustible air-vapour mixtures are heavier than the air and spread along the floor. Ignition from a considerable distance is possible.

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Special fire-fighting procedures

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble.

Large spill

Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures:

: Put on appropriate personal protective equipment (see Section 8). Avoid exposure obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage

: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Incompatible materials

: Reactive or incompatible with the following materials:
oxidizing materials

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients with Occupational Exposure Limits

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
ACETONE	250 ppm	500 ppm	1000 ppm	NE
AROMATIC PETROLEUM DISTILATES	10 ppm	15 ppm	10 ppm	NE
XYLENE	100 ppm	150 ppm	100 ppm	NE

SDS Preparation Date (mm/dd/yyyy): 06/17/2025

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard

SUP = Supplier's Recommendation Sk = Skin Sensitizer N.E. = Not Established

Exposure controls

Ventilation and engineering measures

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Eye / face protection : Use safety glasses (ANSI Z87.1 or approved equivalent). Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Other protective equipment

: Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

General hygiene considerations

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Viscous liquid
Odour	: Not available.
Odour threshold	: Not available.
pH	: >9.0
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	: Not available.
Flash point	: -17 °C
Flash point (method)	: Not available
Evaporation rate	: < 1 (butyl acetate = 1)
Flammability (solid, gas)	: Flammable liquid
Lower flammability limit (% by volume)	: 1%
Upper flammability limit (% by volume)	: 12.8 %
Oxidizing properties	: Not available
Explosive properties	: Not available.
Vapour pressure	: 24 kPa (20 °C)
Vapour density	: 2 (Air = 1)
Relative density / Specific gravity	: 1.37 g/cm ³ (20 °C)
Solubility in water	: Not available
Other solubility(ies)	: None known
Partition coefficient: n-octanol/water or Coefficient of water/oil distribution	: Not applicable
Auto-ignition	: Not available.

temperature
Decomposition temperature : No decomposition if used as directed. Stable under normal conditions.
Volatiles (% by weight) : Not available
Volatile organic compounds (VOCs) : <150g/L
Absolute pressure of container : Not applicable
Flame projection length : Not applicable
Other physical/chemical comments : Not applicable.
Kinematic viscosity : >20.50 cst

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No specific test data related to reactivity available for this product or its ingredients.
Chemical stability : The product is stable.
Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
Incompatible materials : Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

EFFECT OF OVEREXPOSURE - INHALATION: Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Local ventilation of emission sources may be necessary to maintain ambient concentrations below recommended exposure limits.

EFFECT OF OVEREXPOSURE - EYE CONTACT: Direct eye contact may cause irritation.

EFFECT OF OVEREXPOSURE - INGESTION: Harmful: may cause lung damage if swallowed.

CARCINOGENICITY: No Information.

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Name according to EEC	Oral LD50	Dermal LD50	Vapor LC50
67-64-1	ACETONE	N.I.	N.I.	N.I.
64742-94-5	AROMATIC PETROLEUM DISTILATES	N.I.	N.I.	N.I.
1330-20-7	XYLENE	4300	2000	N.I.

N.I. - No Information

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : The environmental impact of this product has not been fully investigated.
DO NOT discharge into sewer or waterways.

Ecotoxicity data:

SDS Preparation Date (mm/dd/yyyy): 06/17/2025

Persistence and degradability : Ingredients are all readily biodegradable.
Bioaccumulative potential : No data is available on the product itself. Xylene has low potential.
Mobility in soil : The product itself has not been tested.
Other adverse effects : None known.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling of Disposal : Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in Sections 7 and 8.
Methods of Disposal : Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method. Empty containers must be handled with care due to product residue. **DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.**
Contaminated Packaging : Contaminated packaging should ideally be emptied; it can then be recycled after having been decontaminated. Packaging that cannot be cleaned should be disposed of professionally. Uncontaminated packaging may be taken for recycling. Do not reuse containers.

SECTION 14. TRANSPORT INFORMATION

SPECIAL TRANSPORT PRECAUTIONS: No Information

Road Transport

UN Number: UN1263
 Shipping Name: Paint Transport Hazard
 Class: 3
 Packing Group: II

Special precautions for user

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

SECTION 15. REGULATORY INFORMATION

International regulations

All components of this material are listed on the Domestic Substance List.

All components of this material are listed on the US Toxic Substance Control Act (TSCA inventory).

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

International lists:

Australia inventory (AIIIC): Not determined.
 China inventory (IECSC): Not determined.
 Japan inventory (CSCL): Not determined.
 Japan inventory (ISHL): Not determined.
 Korea inventory (KECI): Not determined.
 New Zealand Inventory of Chemicals (NZIoC): Not determined.
 Philippines inventory (PICCS): Not determined.
 Taiwan Chemical Substances Inventory (TCSI): Not determined.
 Thailand inventory: Not determined.
 Turkey inventory: Not determined.
 Vietnam inventory: Not determined.

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

Chemical Name	CAS-No.
METHANOL	67-56-1

SECTION 16. OTHER INFORMATION

HMIS Ratings:

Health: 2	Flammability: 3	Reactivity: 0	Personal Protection: X
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Volatile Organic Compounds, gr/ltr: <150

Preparation Date (mm/dd/yyyy)

: 06/17/2025

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

Prepared by

: Gentem Inc.
35 Fraser Court, Unit 2
Barrie, ON L4N 5J5

DISCLAIMER

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