



Safety Data Sheet

UNIVERSAL PRIMER WHITE





1. Identification

Product identifier	UNIVERSAL PRIMER WHITE
Product code	UP-1000
Other means of identification	N.Av.
Recommended use of the chemical and restrictions on use	A protective and/or decorative finish or accompanying product. Not recommended for any other use not detailed on product data sheet or label.
Manufacturer	GEMINI INDUSTRIES, INC. 2300 Holloway Drive El Reno, OK 73036 USA Tel. 1-800-262-5710 Fax 1-405-262-9310 http://www.gemini-coatings.com/
Emergency phone number	24-hour Emergency (spill, leak, exposure or accident) INFOTRAC 800-535-5053 Outside USA, Call Collect 1-352-323-3500 (French & English) HAZMAT Response and SDS Help: EMI 800-510-8510

2. Hazard identification

Summary	Avoid contact with skin, eyes and clothing. Do not breathe vapors and aerosols. Do not ingest. If medical advice is needed, have this SDS or label at hand. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.
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WHMIS 2015/GHS/OSHA HCS 2012

 	<p>Acute toxicity, oral (Category 4) Skin sensitizer (Category 1) Carcinogenicity (Category 1) Reproductive toxicity (Category 1) Specific target organ toxicity, repeated exposure (Category 1)</p> <p>H350: May cause cancer H360: May damage fertility or the unborn child H372: Causes damage to organs through prolonged or repeated exposure H302: Harmful if swallowed H317: May cause an allergic skin reaction P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P261: Avoid breathing vapours and spray. P264: Wash skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves, protective clothing and eye protection. P308+313: IF exposed or concerned: Get medical attention.</p>
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P301+P330+P312: IF SWALLOWED: Rinse mouth. Call a POISON CENTER or a doctor if you feel unwell.
P302+352: IF ON SKIN: Wash with plenty of water and soap.
P333+313: If skin irritation or a rash occurs: Get medical advice or attention.
P362+364: Take off contaminated clothing and wash before reuse.
P405: Store locked up.
P501: Dispose of contents and container to a licensed chemical disposal agency in accordance with local, regional and national regulations.

3. Composition/information on ingredients

Common name	CAS	Weight % content
Talc	14807-96-6	15 - 40 %
Titanium dioxide	13463-67-7	7 - 13 %
Amorphous silica	7631-86-9	0.5 - 1.5 %
2-Butoxyethanol	111-76-2	0.5 - 1.5 %
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	0.1 - 1 %

Note: The manufacturer withholds the actual concentration range of the ingredients as a trade secret.

4. First-aid measures

Inhalation	Move person to fresh air. If a problem develops or persists, seek medical attention.
Skin contact	Wash skin with warm water and mild soap. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention.
Eye contact	IMMEDIATELY! Flush with water for at least 15 minutes. Remove contact lenses if easy to do. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.
Ingestion	DO NOT induce vomiting, unless recommended by medical personnel. Never give anything by mouth if victim is unconscious or convulsing. If victim is conscious wash out mouth with plenty of water. Seek medical attention or contact a Poison Centre immediately.
Other	No additional information.
Symptoms	Harmful if swallowed. May cause irritation, redness, tearing and blurred vision. May cause redness, dryness or rash of the skin.
Notes to the physician	Treat symptomatically. If gastric lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. Fire-fighting measures

Suitable extinguishing media	Dry chemicals, alcohol resistant foam, carbon dioxide (CO ₂).
Specific hazards arising from the chemical	In a fire or if heated, a pressure increase will occur and the container may burst.
Special protective equipment	Firefighters must wear self contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals.

Special protective actions for fire-fighters	Use water spray to cool fire-exposed containers. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply.
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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Do not touch spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
Environmental precautions	Prevent entry into sewers, closed areas and release to the environment.
Methods and materials for containment and cleaning up	Ventilate the area well. Stop leak, if it's possible to do so without risk. Absorb with inert material (soil, sand, vermiculite) and place in an appropriate waste disposal clearly identified. Finish cleaning by rinsing with water contaminated surface. Dispose via a licensed waste disposal contractor.

7. Handling and storage

Precautions for safe handling	Use only in well ventilated area. Avoid contact with skin, eyes and clothing. Do not breathe vapors and aerosols. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved. Keep away from heat and open flame. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. Remove contaminated clothing before entering eating areas. After use, wash hands with soap and water. Wash contaminated clothing before reuse.
Conditions for safe storage, including any incompatibilities	Store tightly closed and in properly labelled container in a dry, cool and well ventilated place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep away from direct sunlight and heat. Protect from freezing.
Storage temperature	10 to 30°C (50 to 86°F)

8. Exposure controls/personal protection

Immediately Dangerous to Life or Health	Talc: 1000 mg/m ³ . Titanium dioxide: 5000 mg/m ³ . Amorphous silica: 3000 mg/m ³ . 2-Butoxyethanol: 700 ppm.			
Talc	TWA (8h)	Respirable Dust	2 mg/m ³	ACGIH , BC, ON
		Respirable Dust	3 mg/m ³	RSST
Titanium dioxide	TWA (8h)	Total Dust	10 mg/m ³	ACGIH , BC, ON, RSST
Amorphous silica	TWA (8h)	Respirable Dust	3 mg/m ³	ACGIH , BC
		Respirable Dust	6 mg/m ³	RSST
		Total Dust	10 mg/m ³	ACGIH , BC, ON
2-Butoxyethanol	TWA (8h)	20 ppm		ACGIH , BC, ON, RSST
Distillates (petroleum), solvent-dewaxed heavy paraffinic	STEL	Mist	10 mg/m ³	ON , RSST
	TWA (8h)	Mist	1 mg/m ³	BC
		Mist	5 mg/m ³	ACGIH , ON, RSST

Appropriate engineering controls	Provide sufficient mechanical ventilation (general or local exhaust) to keep the airborne concentrations of vapours, mists, aerosols or dust below their respective occupational exposure limits.
Individual protection measures	
Eye	In the workplace, wear safety glasses with side shields. If risk of contact with eyes or/and the face wear chemical splash goggles and/or a face shield.
Hands	Wear nitrile, neoprene or polyethylene gloves. Disposable nitrile gloves can also be used, but discard after single use. Gloves must only be worn on clean hands.
Skin	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code. If necessary, wear an apron or long-sleeve protective coverall suit.
Respiratory	Respiratory protection is not required for normal use. Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA. In case of insufficient ventilation or in confined or enclosed space and for an assigned protection factor (APF) up to 10 times the exposure limit, wear a half mask respirator with organic vapour cartridges fitted with P100 filters. For an APF until maximum 100 times of exposure limit, wear a full face respirator mask with organic vapour cartridges and P100 filters.
Feet	Wear rubber boots to clean up a spill.

9. Physical and chemical properties

Physical state	Liquid	Flammability	Non-flammable
Colour	Coloured	Flammability limits	N/Av.
Odour	Characteristic	Flash point	N/Av.
Odour threshold	N/Av.	Auto-ignition temperature	N/Av.
pH	N/Av.	Sensibility to electrostatic charges	No
Melting point	N/Av.	Sensibility to sparks and/or friction	No
Freezing point	N/Av.	Vapour density	>1 (Air = 1)
Boiling point	100 to 3000°C (212 to 5432°F)	Relative density	1.5301 kg/L (Water = 1)
Solubility	N.Av.	Partition coefficient n-octanol/water	N/Av.
Evaporation rate	> Acetate de butyle	Decomposition temperature	N/Av.
Vapour pressure	N/Av.	Viscosity	N/Av.
Percent Wt. Volatile	34.9706%	Molecular mass	N/Av.
VOC (g/L)	18.9899 g/L	% Volume Volatile (VOC)	2.0905%
VOC (lb/gal)	0.1585 lb/gal	% Wt. Volatile (VOC)	1.2438%
N/Av.: Not Available N/Av.: Not Applicable Und.: Undetermined N/E: Not Established			

10. Stability and reactivity

Reactivity	No reaction expected.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions (including polymerizations)	Hazardous polymerization will not occur.
Conditions to avoid	Avoid excessive heat. Avoid poor ventilation. Avoid excessive aging of the product. Protect from freezing.
Incompatible materials	None reported.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information


Numerical measures of toxicity	Talc	Ingestion >5000 mg/kg Rat LD50
		Skin >2000 mg/kg Rabbit LD50
	Titanium dioxide	Ingestion >10000 mg/kg Rat LD50
		Inhalation >6.82 mg/l/4h Rat LC50
		Skin >10000 mg/kg Rabbit LD50
	2-Butoxyethanol	Ingestion 560 mg/kg Rat LD50
		Inhalation 2.38 mg/l/4h Rat LC50
		Skin >400 mg/kg Guinea pig LD50
		2000 mg/kg Rabbit LD50
		>2000 mg/kg Rat LD50
	Amorphous silica	Ingestion >3300 mg/kg Rat LD50
		Inhalation >2 mg/l/4h Rat LC50
		Skin >5000 mg/kg Rabbit LD50
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	Ingestion >5000 mg/kg Rat LD50
	Inhalation >5 mg/l/4h Rat LC50	
	Skin >5000 mg/kg Rabbit LD50	
Likely routes of exposure	Skin, eyes, inhalation, ingestion.	
Delayed, immediate and chronic effects	Eye contact	May cause irritation, redness, tearing and blurred vision. Eye Irritation/Corrosion, Rabbit (OECD TG 405): tests performed with each ingredient of this mixture gave not irritating to irritating results.
	Skin contact	May cause redness, dryness or rash of the skin. Prolonged contact can cause dry skin, cracks, irritation and dermatitis. Skin Irritation/Corrosion, Rabbit (OECD 404) : tests performed with each ingredient of this mixture gave not irritating to irritating results.
	Inhalation	Prolonged exposure may cause headache, dizziness and nausea. Prolonged exposure may cause brain and central nervous system damages. The severity of symptoms may vary depending on exposure conditions. Chronic effects associated with exposure to non-fibrous talc (CAS no 14807-96-6) are generally grouped under the name of talcosis. It is characterized by the presence of radiological changes with or without symptoms (cough, shortness of breath, wheezing and numbness in the fingers).
	Ingestion	May cause gastrointestinal irritation with diarrhea, nausea and vomiting.
	Respiratory or skin sensitization	Potential sensitization by skin contact. May cause an allergic reaction of the skin. This product is not a respiratory sensitizer.
	IARC/NTP Classification	Common name IARC NTP Titanium dioxide 2B -

	<p>Common name IARC NTP</p> <p>Amorphous silica - -</p> <p>IARC : 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic. NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens.</p> <p>Carcinogenicity Contains material which can cause cancer. Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS no 64742-65-0) may cause cancer according to ECHA. Titanium dioxide in dust form can cause cancer (through inhalation) based on animal data. Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint and caulk. There is sufficient evidence in humans for the carcinogenicity of occupational exposure as a painter (IARC Group 1). Occupational exposure as a painter causes mesothelioma, and cancers of the urinary bladder and lung (IARC Monographs, Volume 100F (2012)). The risk of cancer depends on duration and level of exposure.</p> <p>Mutagenicity Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.</p> <p>Reproductive toxicity Paint has not been proven to be all teratogenic. However based on human evidence, exposures to harmful chemicals during pregnancy have been linked with an increased risk for spontaneous abortion, low birth weight, or preterm birth.</p> <p>Specific target organ toxicity - single exposure No target organ is listed.</p> <p>Specific target organ toxicity - repeated exposure Respiratory system, brain, central nervous system.</p>
Interactive effects	No information available for this product.
Other information	No information available for this product.

12. Ecological information

Ecological toxicity	Fish - Pimephales promelas - Fresh water	LC50 >500 mg/L; 96 h (CAS no 13463-67-7)
	Aquatic Invertebrates - Daphnia pulex	EC50 >100 mg/L; 48 h (CAS no 13463-67-7)
	Fish - Branchydanio Renio - fresh water	LC50 5000 mg/L; 96 h (CAS no 7631-86-9)
	Aquatic Invertebrate - Ceriodaphnia dubia (static)	EC50 7600 mg/L; 48 h (CAS no 7631-86-9)
	Algae - Pseudokirchneriella subcapitata	EC50 440 mg/L; 72 h (CAS no 7631-86-9)
	Fish - Oncorhynchus mykiss - Rainbow trout	LC50 1474 mg/L; 96 h (CAS no 111-76-2)
	Aquatic invertebrates - Daphnia magna	EC50 1550 mg/L; 48 h (CAS no 111-76-2)
	Algea, Pseudokirchneriella subcapitata	EC50 1840 mg/L; 72 h (CAS no 111-76-2)
Persistence	No information available.	
Degradability	No information available.	
Bioaccumulative potential	No information available.	
Mobility in soil	No information available.	
Other adverse effects	This chemical does not deplete the ozone layer.	

13. Disposal considerations

 Container	<p>Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water supply. Paint residues, including lacquers, dyes, shellacs, varnishes, paint solvents and thinners, can be reprocessed where there is a recovery program. Empty containers can be treated (recycled) where there is a recovery program. Dispose via a licensed waste disposal contractor. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.</p>
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14. Transport information

UN Number	UN N/A
UN Proper Shipping Name	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
Environmental hazards	This material does not contain marine pollutant.
Special precautions for user	No information available.
TDG - Transportation of Dangerous Goods (Canada & US DOT)	
Transport hazard class(es)	Not regulated
Packing group	Not regulated
IMO/IMDG - International Maritime Transport	
Classification	Not available
IATA - International Air Transport Association	
Classification	Not available
<p>These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.</p>	

15. Regulatory information

CANADA

Common name	CAS	CEPA	DSL	NDSL	NPRI
Talc	14807-96-6	X	X		
Titanium dioxide	13463-67-7	X	X		
Amorphous silica	7631-86-9		X		
2-Butoxyethanol	111-76-2		X		X
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	X	X		

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act
- DSL: Domestic Substances List Inventory
- NDSL: Non-Domestic Substances List Inventory
- NPRI: National Pollutant Release Inventory Substances

UNITED STATE OF AMERICA

Common name	CAS	TSCA	CER CLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
Talc	14807-96-6	X								
Titanium dioxide	13463-67-7	X								
Amorphous silica	7631-86-9	X								
2-Butoxyethanol	111-76-2	X								
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	X								

- TSCA: Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act - List of Hazardous Substances
- CWA Priority: Clean Water Act - Priority Pollutant list

California Proposition 65

Common name	CAS	Cancer	Reproductive and Developmental Toxicity
Titanium dioxide	13463-67-7	X	

Other regulations		
	HMIS	NFPA

16. Other information

Date (YYYY-MM-DD)	GEMINI INDUSTRIES, INC. 2022-11-29
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Version	01
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Other information	<p>REFERENCES:</p> <ul style="list-style-type: none"> - The GHS hazards classification in this SDS is from the original SDS provided by the manufacturer. - Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, https://haz-map.com/ - Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), https://www.cnesst.gouv.qc.ca/fr - The National Center for Biotechnology Information, National Institutes of Health (NIH), U.S. National Library of Medicine, https://pubchem.ncbi.nlm.nih.gov - IPCS INCHEM, Chemical Safety Information from Intergovernmental Organizations, Canadian Centre for Occupational Health and Safety (CCOHS), Copyright International Programme on Chemical Safety (IPCS), http://www.inchem.org <p>ACGIH: American Conference of Governmental Industrial Hygienists AIHA: American Industrial Hygiene Association HMIS: Hazardous Materials Identification System</p>
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NFPA: National Fire Protection Association
OSHA: Occupational Safety and Health Administration (USA)
NIOSH: National Institute for Occupational Safety and Health
NTP: National Toxicology Program
RSST: Règlement sur la santé et la sécurité du travail (Québec)
GHS: Globally Harmonized System
IARC: International Agency for Research on Cancer
IDLH: Immediately Dangerous to Life or Health
STEL: Short Term Exposure Limit (15 min)
TWA: Time Weighted Averages
WHMIS: Workplace Hazardous Materials Information System

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