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Safety Data Sheet
DARK OAK W/B PENETR DECK STN

1. Identification

Product identifier	DARK OAK W/B PENETR DECK STN		
Product code	TWPWS03		
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/	**Distributor**	Gemini Industries, Inc. 850 Flint Road Toronto, Ontario Canada M3J 2T7 Tel. 1-800-262-5710
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 MSDS Help: EMI 800-510-8510		

2. Hazard identification

Summary	P.S. The SIMDUT 2015/GHS hazards classification in this SDS is provided by the manufacturer using a Worst-Case Scenario. 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.
 D2A	Class D2A : Very toxic material causing other toxic effects

3. Composition/information on ingredients

Common name	CAS	Weight % content
Propylene glycol	57-55-6	1 - 3 %
Iron(III) trioxide	1309-37-1	0.5 - 2.5 %
Carbon black	1333-86-4	0.1 - 1 %

4. First-aid measures

Inhalation	Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained personnel. 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 plenty of water. Remove contact lenses if easy to do. Flush with water for at least 15 minutes. 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. If victim is conscious wash out mouth with water and give 1-2 glasses of water to drink. Never give anything by mouth if victim is unconscious or convulsing. If spontaneous vomiting occurs, keep head below hip level to prevent aspiration into the lungs. Seek medical attention or contact a Poison Centre immediately.
Other	No additional information.
Symptoms	May cause irritation, redness, tearing and blurred vision. May cause mild skin irritation, characterized by itching, rough skin and redness. Can cause allergic skin reactions in susceptible individuals.
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, water spray, chemical foam, carbon dioxide (CO2).
Specific hazards arising from the chemical	This product is an aqueous solution which does not support combustion unless the water has been evaporated. Do not apply to hot surfaces. 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.

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. For a large spill, consult the Department of Environment or the relevant authorities.
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) or wipe up with a damp mop and place in an appropriate waste disposal clearly identified. Finish cleaning the contaminated surface by rinsing with soapy water. 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. Avoid high temperatures and intense heat. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. Wash hands, forearms and face thoroughly after handling this compound and before eating, drinking or using toiletries. Remove contaminated clothing and wash 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. Keep away from freezing.
Storage temperature	15 to 30°C (59 to 86°F)

8. Exposure controls/personal protection

Immediately Dangerous to Life or Health	Carbon black: 1750 mg/m3. Iron (III) Oxide: 2500 mg/m³, value as iron.

Propylene glycol	TWA (8h)	Aerosol		10 mg/m^3	ON , US AIHA
			50 ppm	155 mg/m^3	ON
Iron(III) trioxide	TWA (8h)	Respirable Dust		5 mg/m^3	ACGIH , BC, ON, RSST
Carbon black	TWA (8h)			3 mg/m^3	ACGIH , BC, ON
				3.5 mg/m^3	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	Wear safety glasses. If there is a risk of contact with eyes, wear chemical splash goggles.
Hands	If any risk of skin contact wear nitrile or neoprene gloves. Disposable nitrile gloves can also be used, but discard after single use. Before using, user should confirm impermeability. Discard gloves with tears, pinholes, or signs of wear. 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.
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.
Feet	Wear rubber boots to clean up a spill.

9. Physical and chemical properties

Physical state	Liquid	**Flammability**	Non-flammable
Colour	Dark brown	**Flammability limits**	N/Av.
Odour	Slight odor	**Flash point**	>93°C (199.4°F)
Odour threshold	N/Av.	**Auto-ignition temperature**	371°C (699.8°F)

pH	N/Av.	**Sensibility to electrostatic charges**	N.Av.
Melting point	-5 to 0°C (23°F)	**Sensibility to sparks and/or friction**	No
Freezing point	-5 to 0°C (23°F)	**Vapour density**	>1 (Air = 1)
Boiling point	100 to 188°C (212 to 370.4°F)	**Relative density**	1.032 kg/L (Water = 1)
Solubility	Soluble in water.	**Partition coefficient n-octanol/water**	N/Av.
Evaporation rate	< Butyl Acetate	**Decomposition temperature**	N/Av.
Vapour pressure	N/Av.	**Viscosity**	N/Av.
Percent Volatile	73.15%	**Molecular mass**	N/Ap.
N/Av.: Not Available N/Ap.: 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)	A dangerous reaction will not occur.
Conditions to avoid	Avoid high temperatures and intense heat. Avoid excessive aging of the product.
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	Propylene glycol	Ingestion	18000 mg/kg	Rat	LD50
		Inhalation	>20 mg/l/4h	Rat	LC50
		Skin	20800 mg/kg	Rabbit	LD50
	Iron(III) trioxide	Ingestion	>10000 mg/kg	Rat	LD50
		Skin	>2000 mg/kg	Rabbit	LD50
	Carbon black	Ingestion	>15400 mg/kg	Rat	LD50
		Skin	>3000 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 slightly irritating results.
	Skin contact	May cause mild skin irritation, characterized by itching, rough skin and redness. Can cause allergic skin reactions in susceptible individuals. Skin Irritation/Corrosion, Rabbit (OECD 404) : tests performed with each ingredient of this mixture gave not irritating to slightly irritating results.
	Inhalation	Prolonged or excessive exposure may cause headache, drowsiness, nausea, dizziness, respiratory tract irritation.
	Ingestion	Swallowing will causes digestive tract disturbances resulting in nausea, vomiting, cramps and diarrhea.

	Respiratory or skin sensitization	Paints do not all content allergenic ingredients susceptible to cause allergic skin reaction. However, it is reasonable mentioning that people with a history of skin sensitization may be more susceptible to the effects of this product in increasing the risk of allergic contact dermatitis.
	IARC/NTP Classification	**Common name IARC NTP** Carbon black 2B - IARC : 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic. NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens.
	Carcinogenicity	Contains an ingredient carcinogenic by inhalation of dust in laboratory animals. The risk of cancer depends on duration and level of exposure.
	Mutagenicity	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.
	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.
	Specific target organ toxicity - single exposure	No target organ is listed.
	Specific target organ toxicity - repeated exposure	No target organ is listed.
Interactive effects	No information available for this product.	
Other information	The oral and skin acute toxicity estimates (ATE) of the mixture were calculated to be greater than 2000 mg/kg. The acute toxicity estimates (ATE) by inhalation of the mixture were calculated to be greater than 20 mg/L/4h for vapours and to be greater than 5 mg/L/4h for the aerosols and mists. These values are not classified according to WHMIS 2015 and OSHA HCS 2012.	

12. Ecological information

Ecological toxicity	Fish - Pimephales promelas - Fresh water	LC50 46500 mg/L; 96 h (CAS no 57-55-6)
	Aquatic Invertebrate - Daphnia Magna, Water flea, fresh water	EC50 43500 mg/L; 48 h (CAS no 57-55-6)
	Aquatic Plant - Algea, Selenastrum capricornutum	EC50 1900 mg/L; 96 h (CAS no 57-55-6)
Persistence	The product contains components that may persist in the environment.	
Degradability	Propylene glycol (CAS no 57-55-6) is readily biodegradable (96% in 28 days) OECD Guideline 301D. The term biodegradability, as such, is not applicable to inorganic compounds.	
Bioaccumulative potential	Propylene Glycol (CAS no 57-55-6) has a Bioconcentration Factor (BCF) <1 and partition coefficient (Log Kow of -1,41 à -0,3) indicating a low potential to bioaccumulate. It should not be expected to accumulate in food chains. The inorganic salts of this kind are not expected to accumulate in biota.	
Mobility in soil	Propylene Glycol (CAS no 57-55-6) will be distributed to air (3%), water (48.8%), soil (48.8%), and sediment (0.07%). Based on the high solubility in water, a high mobility in soil is to be expected.	
Other adverse effects	This chemical does not deplete the ozone layer.	

13. Disposal considerations

Container 	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. 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.

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 regulated
IATA - International Air Transport Association	
Classification	Not regulated

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.

15. Regulatory information

CANADA

Common name	CAS	CEPA	DSL	NDSL	NPRI
Propylene glycol	57-55-6		X		
Iron(III) trioxide	1309-37-1		X		
Carbon black	1333-86-4		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.
Propylene glycol	57-55-6	X				X				
Iron(III) trioxide	1309-37-1	X								
Carbon black	1333-86-4	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
Carbon black	1333-86-4	X	

Other regulations

HMIS

NFPA

WHMIS 2015/GHS

Serious eye damage/eye irritation (Category 2)
Skin sensitizer (Category 1)
Carcinogenicity (Category 2)
Reproductive toxicity (Category 2)

WARNING

H319: Causes serious eye irritation
H317: May cause an allergic skin reaction
H351: Suspected of causing cancer
H361D: Suspected of damaging the unborn child
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.
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.
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.
P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists: 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.

16. Other information

Date (YYYY-MM-DD)	GEMINI INDUSTRIES, INC. 2018-05-22
Version	01
Other information	REFERENCES: - 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), http://www.reptox.csst.qc.ca - TOXNET Databases, Toxicology Data Network, NIH U.S. National Library of Medicine, http://toxnet.nlm.nih.gov/ - NIOSH Pocket Guide to Chemical Hazards, Centers for Disease Control and Prevention, NIOSH Publications, 2007, http://www.cdc.gov/niosh/npg/npg.html ACGIH: American Conference of Governmental Industrial Hygienists AIHA: American Industrial Hygiene Association HMIS: Hazardous Materials Identification System

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