

## Safety Data Sheet NEXUS 550VOC PRE-CAT SG



1 Idoutification				
1. Identification				
Product identifier	NEXUS 550VOC PRE-CAT SG			
Product code	PC550-0060			
Other means of identification	N/Av.			
Recommended use of the chemical and restrictions on use	PAINT.			
Manufacturer	GEMINI INDUSTRIES, INC.       .         2300 Holloway Drive       .         El Reno, OK 73036       .         USA       .         Tel. 1-800-262-5710         Fax 1-405-262-9310			
Emergency phone number	INFOTRAC 800-535-5053 Outside USA, Call Collect 1-352-323-3500 (French & English) 24-hour HAZMAT Response and MSDS help: FMI 800-510-8510			

## 2. Hazard identification

Summary DANGER! FLAMABLE LIQUID! VERY TOXIC! Skin, eyes and respiratory tracts irritant. Harmful by inhalation or if absorbed through the skin. May cause central nervous system effects. Contains a substance that can cause target organ damage, according to data obtained on animals. Contains a substance that can cause cancer based on animal data. Keep away from heat, sparks and open flame. Avoid contact with skin, eyes and clothing. Do not breathe vapours, mists or aerosols. Do not ingest. If ingested consult physician immediately and show this Safety Data Sheet. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet. Keep containers tightly closed when not in use. After use, wash hands with soap and water. Wash contaminated clothing before reuse.

#### WHMIS 2015/OSHA HCS 2012/GHS



Flammable liquids (Category 2) Acute toxicity, inhalation (Category 4) Skin irritation (Category 2) Eye irritation (Category 2A) Carcinogenicity (Category 2) Specific target organ toxicity, single exposure, Narcotic effects (Category 3)

#### DANGER

H225: Highly flammable liquid and vapour

- H332: Harmful if inhaled
- H319: Causes serious eye irritation
- H315: Causes skin irritation
- H336: May cause drowsiness or dizziness
- H351: Suspected of causing cancer
- P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from heat, sparks, open flames and other ignition sources. No smoking.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P260: Do not breathe mist, vapours and spray.

P264: Wash skin thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area.

P281: Use personal protective equipment as required.

P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water and soap or take a shower if necessary.

P332+313: If skin irritation occurs: Get medical advice or attention.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

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.

P370+378: In case of fire: Use chemical foam, dry chemical or carbon dioxide to extinguish.

P403+P235+P233: Store in a well-ventilated place. Keep container tightly closed. Keep cool.

P501: Dispose of contents and container to an approved waste disposal plant.

3. Composition/information on ingredients					
Common name	CAS	Weight % content			
Acetone	67-64-1	15 - 40 %			
n-Butyl Alcohol	71-36-3	10 - 30 %			
Nitrocellulose	9004-70-0	7 - 13 %			
Urea, polymer with formaldehyde, isobutylated	68002-18-6	5 - 10 %			
Propylene glycol monomethyl ether acetate	108-65-6	3 - 7 %			
Bis(2-Ethylhexyl) adipate	103-23-1	1 - 5 %			
Xylene	1330-20-7	1 - 5 %			
2-Butoxyethanol	111-76-2	1 - 5 %			
Isopropyl alcohol	67-63-0	1 - 5 %			
Isobutyl alcohol	78-83-1	1 - 5 %			
Ethylene glycol monopropyl ether	2807-30-9	1 - 5 %			
Ethylbenzene	100-41-4	0.1 - 1 %			

4. First-aid	4. First-aid measures				
Inhalation	<b>alation</b> 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	<b>ct</b> Wash skin with warm water and mild soap. Remove contaminated clothing and wash before reuse. Avoid touching eyes with contaminated body parts. If a problem develops or persists, seek medical attention.				
<b>Eye contact</b> IMMEDIATELY flush with plenty of water. Remove contact lenses. Flush with water for at least 15 minute Hold eyelids apart to rinse properly. Seek medical attention immediately.					
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 aspi into the lungs. Seek medical attention or contact a Poison Centre immediately.					

Other	No information available.	
Symptoms	No information available.	
Notes to the physician	Treat symptomatically.	

5. Fire-fighting measures					
Suitable extinguishing media					
Specific hazards arising from the chemical	NFPA: Class IB Flammable liquid. Vapours are heavier than air and may travel to an ignition source distant from the material handling point. May be ignited by heat, sparks, flame or static electricity. Do not apply to hot surfaces. Contact with strong oxidizers may cause fire. In a fire or if heated, a pressure increase will occur and the container may burst. Emits toxic fumes under fire conditions.				
Special protective equipmentFirefighters must wear self contained breathing apparatus with full face mask. Firefighting su be efficient against chemicals.					
Special protective actions for fire-fighters	Water stream can scatter and spread fire. If water is used, fog nozzles are preferable. Use water spray to cool fire-exposed containers.				

6. Accidental release measures				
Personal precautions, protective equipment and emergency proceduresDo not touch spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.				
Environmental precautionsPrevent entry in sewer and other enclosed area. For a large spill, consult the Department of Environment or the relevant authorities.Methods and materials for containment and cleaning upRemove sources of ignition. Ventilate the area well. Stay against the wind spill. Make sure you fire extinguisher near you. Stop leak, if it's possible to do so without risk. Use non-sparking and antistatic tools. Absorb with inert material (soil, sand, vermiculite) or wipe up or scrape up and p an appropriate waste disposal container clearly identified. Dispose via a licensed waste disposal contractor. Finish cleaning the contaminated surface by rinsing with soapy water.				

7. Handling and	7. Handling and storage					
Precautions for safe handlingKeep away from heat, sparks and open flame. Turn off all pilot lights, flames, stoves, heaters motors, welding equipment and other sources of ignition. Use non-sparking and antistatic to Ground/bond all containers when transfering large quantities (5 gallons US or 20 L and more only in well ventilated area. Avoid prolonged or repeated breathing of vapour or mists. Avoid with skin, eyes and clothing. Make sure to wear personal protective equipment mentioned in Safety Data Sheet. Keep containers tightly closed when not in use. Containers of this materia hazardous even when empty. Since empty containers retain product residues (vapour, liquid hazard precautions given in this sheet must be observed. Do not eat, do not drink and do not during use. Wash hands, forearms and face thoroughly after handling this compound and be eating, drinking or using toiletries. Remove contaminated clothing and wash before reuse.						
Conditions for safe storage, including any incompatibilities	Storage and handling should follow the NFPA 30 Flammable and/or Combustible Liquids Code and the National Fire Code of Canada (NFCC). NFPA: Class IB Flammable liquid. 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. Store away from oxidizing materials and incompatible materials (see section 10).					
Storage temperature	10 to 25°C (50 to 77°F)					

8. Exposure contr	ols/persona	l protection			
Dangerous to Life or Health	Acetone: 2500 ppm 2-Butoxyethanol: 70 1-Butyl Alcohol: 140 Ethylbenzene: 800 p (ylenes: 900 ppm. sopropyl alcohol: 2 sobutyl alcohol: 160	00 ppm. 00 ppm. ppm. 000 ppm.			
Acetone		STEL	500 ppm		ACGIH , BC
			750 ppm		AB , ON
			1000 ppm	2380 mg/m <sup>3</sup>	RSST
		TWA (8h)	250 ppm		ACGIH , BC
			500 ppm		AB , ON
			500 ppm	1190 mg/m <sup>3</sup>	RSST
n-Butyl Alcohol		Ceiling	30 ppm		BC
			50 ppm	152 mg/m³	RSST (Pc, RP)
		TWA (8h)	15 ppm		BC
			20 ppm		ACGIH , ON
			20 ppm	60 mg/m <sup>3</sup>	AB
Propylene glycol monometh	yl ether acetate	STEL	75 ppm		BC
		TWA (8h)	50 ppm		BC , US AIHA
			50 ppm	270 mg/m <sup>3</sup>	ON
Isopropyl alcohol		STEL	400 ppm		ACGIH , BC, ON
			400 ppm	984 mg/m <sup>3</sup>	AB
			500 ppm	1230 mg/m <sup>3</sup>	RSST
		TWA (8h)	200 ppm		ACGIH , BC, ON
			200 ppm	492 mg/m <sup>3</sup>	AB
			400 ppm	983 mg/m <sup>3</sup>	RSST
Xylene		STEL	150 ppm		ACGIH , BC, ON
			150 ppm	651 mg/m <sup>3</sup>	AB , RSST
		TWA (8h)	100 ppm		ACGIH , BC, ON
			100 ppm	434 mg/m <sup>3</sup>	AB , RSST
2-Butoxyethanol		TWA (8h)	20 ppm		ACGIH , BC, ON
			20 ppm	97 mg/m <sup>3</sup>	AB , RSST
Isobutyl alcohol		TWA (8h)	50 ppm		ACGIH , BC, ON
			50 ppm	152 mg/m <sup>3</sup>	AB , RSST
Ethylbenzene		STEL	125 ppm	543 mg/m <sup>3</sup>	AB , RSST
		TWA (8h)	20 ppm 100 ppm	434 mg/m <sup>3</sup>	ACGIH , BC, ON AB , RSST
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 mea	sures				
Eye V	Vear safety glasses	s. If there is a risk c	of contact with e	eyes, wear chemical s	splash goggles.
c v	In case of prolonged or repeated contact, wear nitrile or neoprene gloves. Gloves must only be worn on clean hands. Wash gloves with water before removing them. After using gloves, hands should be washed and dried thoroughly. Before using, user should confirm impermeability. Discard gloves with tears, pinholes, or signs of wear.				
a	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear a long-sleeved shirt. Wear synthetic apron, if necessary, to prevent repeated or prolonged contact with skin.				

Respiratory	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 enclosed area until maximum 10 times of exposure limit, wear half mask respirator with organic vapors cartridges.
Feet	Wear rubber boots to clean up a spill.

9. Physical and chemical properties						
Physical state	Liquid	Flammability	Flammable.			
Colour	Colourless	Flammability limits	1.4 to 12.8%			
Odour	Solvent odor	Flash point	-17.8°C (0°F) Tagliabue closed cup			
Odour threshold	N/Av.	Auto-ignition temperature	N/Av.			
рН	N/Ap.	Sensibility to electrostatic charges	Yes			
Melting point	N/Av.	Sensibility to sparks and/or friction	N.Av.			
Freezing point	N/Av.	Vapour density	>1 (Air = 1)			
Boiling point	56.1°C (133°F)	Relative density	0.927 kg/L (Water = 1)			
Solubility	No	Partition coefficient n-octanol/water	N/Av.			
Evaporation rate	> Butyl Acetate	Decomposition temperature	N/Av.			
Vapour pressure	N/Av.	Viscosity	N/Av.			
Percent Volatile	74.71%	Molecular mass	N/Ap.			
N/Av	.: Not Available N/Ap.: Not Applicable	Und.: Undetermined	N/E: Not Established			

10. Stability and reactivity	
Reactivity	No information available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions (including polymerizations)	A dangerous reaction will not occur.
Conditions to avoid	Avoid heat, flame and sparks. Avoid contact with incompatible materials.
Incompatible materials	Strong oxidants, strong bases, mineral acids, strong acids.
Hazardous decomposition products	In combustion: nitrogen oxides, carbon oxides (CO, CO2).

11. Toxicolo	11. Toxicological information					
Numerical measures of	Acetone		Inhalation	5800 mg/kg 71.4 mg/l/4h	Rat Rat	LD50 LC50
toxicity	n-Butyl Alcohol		-	15800 mg/kg 790 mg/kg 24.2 mg/l/4h	Rabbit Rat Rat	LD50 LD50 LC50
			Skin	3400 mg/kg	Rabbit	
	Nitrocellulose		•	>5000 mg/kg	Rat	LD50
	Urea, polymer with	formaldehyde, isobutylated	-	>5000 mg/kg	Rat	LD50
	Propylene glycol monomethyl ether acetate		Skin	>5000 mg/kg	Rabbit	
			-	8532 mg/kg 28.7 mg/l/4h	Rat Rat	LD50 LC50
			Skin	>5000 mg/kg	Rabbit	
	Bis(2-Ethylhexyl) ad	lipate		9100 mg/kg	Rat	LD50
		•	-	>5.7 mg/l/4h	Rat	LC50
			Skin	17297 mg/kg	Rabbit	LD50
	Isobutyl alcohol		-	2460 mg/kg	Rat	LD50
				19.2 mg/l/4h	Rat	LC50
			Skin	3400 mg/kg	Rabbit	
	Isopropyl alcohol		-	5045 mg/kg	Rat	LD50
			Skin	i 66.1 mg/l/4h 6280 mg/kg	Rat Rat	LC50 LD50
	2-Butoxyethanol			560 mg/kg	Rat	LD50
	2-Dutoxycthanol		-	2.21 mg/l/4h	Rat	LC50
			Skin	220 mg/kg	Rabbit	
	Ethylene glycol mor	nopropyl ether	Ingestion	3089 mg/kg	Rat	LD50
			Inhalation	i >11.13 mg/l/4h	Rat	LC50
			Skin	883 mg/kg	Rabbit	
	Xylene		-	3523 mg/kg	Rat	LD50
				27.6 mg/l/4h	Rat	LC50
	Ethylbenzene		Skin Indestion	3200 mg/kg 3500 mg/kg	Rabbit Rat	LD50
	Euryidenzene		•	17.3 mg/l/4h	Rat	LC50
			Skin	-	Rabbit	
Likely routes of exposure	Skin, eyes, inhalatic	on, ingestion.				
-			Maxaariaa		ation	
Delayed, immediate and chronic effects	Eye contact Skin contact	0	Prolonged espread co	and repeated c ntact with skin fo	ontact	may cause drying and ral hours can cause harmful
	Inhalation	amounts of material to be			nor ro	spiratory tract irritation High
		Excessive inhalation is harmful. May cause slight upper respiratory tract irritation. High concentrations may cause central nervous system depression characterized by headache, dizziness, nausea, fatigue, drowsiness, unconsciousness. asphyxia. The severity of symptoms may vary depending on exposure conditions. Prolonged and repeated exposure may cause damage to liver, kidneys, lungs and blood forming organs.				
	Ingestion	May cause gastro-intestinal irritation with nausea and vomiting. Contains a substance that can cause target organ damage, according to data obtained on animals.				
	IARC/NTP					
	Classification	Ethylbenzene 2B - IARC : 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic. NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens.				
	Carcinogenicity	nicity Contains an ingredient possibly carcinogenic to humans (Group 2B, IARC). Ethylbenzene (CAS no. 100-41-4). The risk of cancer depends on duration and leve of exposure.				
1	Teratogenicity This material is not known to cause teratogenic effect					

**Teratogenicity** This material is not known to cause teratogenic effect.

	Mutagenicity Reproductive toxicity Immunotoxicity	This material is not known to cause mutagenic effect. Xylene overexposure may affect fetal development in laboratory animals by inhalation during pregnancy. No information available.
Interactive effects	No information available for this product.	
Other information	Target organs: central nervous system, kidneys, liver, lungs. blood forming organs. The acute toxicity estimate (ATE) by inhalation of the mixture was calculated to be greater than 10 mg/L/4h but lower than 20 mg/L/4h. This value is classified according to GHS: Acute toxicity, inhalation (Category 4). The oral and skin acute toxicity estimates (ATE) of the mixture were calculated to be greater than 2000 mg/kg. These values are not classified according to WHMIS 2015 and OSHA HCS 2012.	

### 12. Ecological information Ecological N/Av. LC50 N/Av. toxicity

Persistence	No information available for this product.	
Degradability	No information available for this product.	
Bioaccumulative potential	No information available for this product.	
Mobility in soil	No information available for this product.	
Other adverse effects	No information available for this product.	

## 13. Disposal considerations

Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water Container supply. Paint residues including lacquer, thinner, stain, shellac, varnish, polish can be reprocessed everywhere there is a recycling 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 1263	
UN Proper Shipping Name	PAINT	
Environmental hazards	This material is not listed as a marine pollutant.	
Special precautions for user	No information available.	
TDG - Transportation of	Dangerous Goods (Canada)	
Transport hazard class(es)	Class 3	
Packing group	11	
IMO/IMDG - International Maritime Transport		

Classification	Regulated UN 1263. Class 3, PG II.	
IATA - International Air Transport Association		
Classification	Regulated UN 1263. Class 3, PG II.	

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

Other regulations	UNITED STATE OF AMERICA: - Toxic Substance Control Act (TSCA) :
	All ingredients are listed in the TSCA Inventory.
	- EPCRA Section 313 Toxic Chemicals:
	Butanol (CAS no. 71-36-3).
	Ethylbenzene (CAS no. 100-41-4). Xylenes (CAS no. 1330-20-7).
	- California Proposition 65:
	Contains ingredients that can cause cancer according to the state of California.
	Ethylbenzene (CAS no. 100-41-4).
	CANADA :
	- Canada DSL and NDSL:
	All ingredients are listed in the Domestic Substances List (DSL). - Canadian National Pollutant Release Inventory Substances (NPRI):
	2-Butoxyethanol (CAS no. 111-76-2).
	n-Butyl Alcohol (CAS no. 71-36-3).
	Propylene glycol monomethyl ether acetate (CAS no. 108-65-6).
	Ethylbenzene (CAS no. 100-41-4).
	Xylenes (CAS no. 1330-20-7).
	Isopropyl alcohol (CAS no. 67-63-0). Isobutyl alcohol (CAS no. 78-83-1).
	Bis(2-Ethylhexyl) adipate (CAS no. 103-23-1).
	WHMIS 1988
	B2 D1A D2A D2B
	Class B2 : Flammable Liquid
	Class D1A : Very toxic material causing immediate and serious toxic effects
	Class D2A : Very toxic material causing other toxic effects
	Class D2B : Toxic material causing other toxic effects
	HMIS NFPA
	2 Heath
	<ul> <li>Flamability</li> <li>Reactivity</li> </ul>
	(Î) Protective Equipment
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16. Other information		
Date (YYYY-MM-DD)	GEMINI INDUSTRIES, INC. 2014-04-08	
Version	01	
Other information	REFERENCES: - NIOSH Pocket Guide to Chemical Hazards, Centers for Disease Control and Prevention, NIOSH	

Publications, 2007, http://www.cdc.gov/niosh/npg/npg.html - 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 - 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.gc.ca - IUCLID Chemical Dataset, European Chemical Substances Information System (ESIS), Joint Research Centre, http://esis.jrc.ec.europa.eu 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 To the best of our knowledge, the information contained herein is accurate. However, neither Préventis System nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.