



### SECTION 1 - PRODUCT INFORMATION

<b>Company Identification</b>	<b>XPEL, Inc.</b>
Address	618 W. Sunset Rd
Address	San Antonio, Texas, 78216
Telephone	+1 210-678-3700
Website	www.xpel.com
Emergency Phone	+1 800-535-5054 (Infotrac Domestic) +1 352-323-3500 (Infotrac International)
<b>Trade Name</b>	XPEL VISION PLUS Edge Sealant
<b>Primary Product Use</b>	VISION PLUS Film Installation
<b>Market</b>	Professional / Industrial

### SECTION 2 - Hazard(s) identification

<b>Classification of the substance or mixture</b>	FLAMMABLE LIQUIDS - Category 4 TOXIC TO REPRODUCTION - Category 2
<b>GHS label elements</b>	
<b>Hazard Pictograms</b>	 
<b>Signal Word</b>	Warning
<b>Hazard Statements</b>	H227 - Combustible liquid H361f - Suspected of damaging fertility
<b>Precautionary Statements</b>	
<b>General</b>	Not applicable
<b>Prevention</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
<b>Response</b>	IF exposed or concerned: Get medical advice/attention. In case of fire: Use alcohol resistant foam for extinction.
<b>Storage</b>	Store in a well-ventilated place. Keep cool. Store locked up.
<b>Disposal</b>	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
<b>Other hazards which do not result in classification</b>	Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.
<b>Substance(s) formed under the conditions of use:</b>	Generates methanol during cure.

### SECTION 2 - Hazard(s) identification (cont.)

<b>Other hazards which do not result in classification</b>	Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.
<b>Substance(s) formed under the conditions of use:</b>	Generates methanol during cure.

### SECTION 3 - Composition/Information on ingredients

<b>Substance/mixture</b>	Mixture	
<b>Chemical Name</b>	Not available	
<b>Hazardous Ingredients</b>	<b>C.A.S. Number</b>	<b>% by weight</b>
Titanium, Bis(ethyl acetoacetato)-diisopropoxy	27858-32-8	1 - <5%
Octamethylcyclotetrasiloxane	556-67-2	0.1 - <1%
	* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.	

### SECTION 4 - First aid measures

<b>General information:</b>	No action shall be taken involving any personal risk or without suitable training.
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting. Give a glass of water.
<b>Inhalation:</b>	If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.
<b>Skin Contact:</b>	Wash contaminated clothing before reuse. In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention.
<b>Eye Contact:</b>	skin with plenty of soap and water for at least 15 minutes. Get medical attention.
<b>Most important symptoms/effects, acute and delayed</b>	
<b>Symptoms:</b>	No data available
<b>Hazards:</b>	No data available
<b>Indication of immediate medical attention and special treatment needed</b>	
<b>Treatment:</b>	Treatment is symptomatic and supportive.

### SECTION 5 - Fire-fighting measures

<b>General Fire Hazards:</b>	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use standard firefighting procedures and consider the hazards of other involved materials.
<b>Suitable (and unsuitable) extinguishing media</b>	

### SECTION 5 - Fire-fighting measures

<b>Suitable extinguishing media:</b>	Water spray Carbon dioxide Foam.
<b>Unsuitable extinguishing media:</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical:</b>	In case of fire, carbon monoxide and carbon dioxide may be formed. Acute over-exposure to the products of combustion may result in irritation of the respiratory tract. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.
<b>Special protective equipment and precautions for firefighters</b>	
<b>Special fire fighting procedures:</b>	When using do not smoke. Do not empty into drains.
<b>Special protective equipment for fire-fighters:</b>	Combustible This product or a component thereof can flow along surfaces to reach a distant ignition source and flash back. Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing

### SECTION 6 - Accidental release measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Product releases methanol during application and curing. Avoid contact with eyes, skin, and clothing. Use only in well-ventilated areas. Avoid inhalation of vapors and spray mists. Keep container closed. Keep out of reach of children. See Section 8 of the SDS for Personal Protective Equipment.
<b>Methods and material for containment and cleaning up:</b>	Wear proper protective equipment as specified in the protective equipment section. Wipe, scrape, or soak up in an inert material and put in a container intended for flammable materials for disposal. Warn other workers of spill. Keep unauthorized personnel away.
<b>Notification Procedures:</b>	Caution: Contaminated surfaces may be slippery. See Section 8 of the SDS for Personal Protective Equipment.
<b>Environmental Precautions:</b>	Do not allow runoff to sewer, waterway or ground.

### SECTION 7 - Handling and Storage

<b>Precautions for safe handling</b>	Sensitivity to static discharge is expected; material has a flash point below 200 F. Do not get in eyes, on skin, on clothing. Do not taste or swallow. Use only in well-ventilated areas. See Section 8 of the SDS for Personal Protective Equipment.
<b>Conditions for safe storage, including any incompatibilities:</b>	Keep container tightly closed. Recommended storage in original container below 30°C (85°F).

### SECTION 8 - Exposure controls/personal protection

<b>Control Parameters</b>			
<b>Occupational Exposure Limits</b>			
<b>Chemical Identity</b>	<b>Type</b>	<b>Exposure Limit Values</b>	<b>Source</b>
Octamethylcyclotetrasiloxane	TWA	5 ppm	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
Octamethylcyclotetrasiloxane - Vapor.	ST ESL	1,000 ug/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)

**SECTION 8 - Exposure controls/personal protection (cont.)**

Chemical Identity	Type	Exposure Limit Values	Source
	AN ESL	100 ug/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)

<b>Appropriate Engineering Controls</b>	Eye wash facilities and emergency shower must be available when handling this product.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>General information:</b>	Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.
<b>Eye/face protection:</b>	Monogoggles
<b>Skin Protection</b>	
<b>Hand Protection:</b>	Chemical resistant gloves
<b>Other</b>	Wear rubber apron. Wear suitable protective clothing and eye/face protection.
<b>Respiratory Protection:</b>	If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).
<b>Hygiene measures</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

**SECTION 9 - Physical and chemical properties**

<b>Appearance</b>	
<b>Physical State</b>	Liquid
<b>Color</b>	Milky white
<b>Odor</b>	Mild
<b>Odor Threshold</b>	Not available
<b>pH</b>	Not applicable
<b>Melting Point</b>	Not Available
<b>Initial boiling point and boiling range:</b>	Not Available
<b>Flash Point</b>	81.5 °C (ASTM D56 (Tag (Closed Cup)))
<b>Evaporation Rate</b>	Not Available
<b>Flammability (solid, gas)</b>	Not Available
<b>Lower and Upper Explosive (flammable) limits</b>	
<b>Flammability limit - upper (%):</b>	Not Available

### SECTION 9 - Physical and chemical properties (cont.)

<b>Flammability limit - lower (%):</b>	Not Available
<b>Explosive limit - upper (%):</b>	Not Available
<b>Explosive limit - lower (%):</b>	Not Available
<b>Heat of combustion:</b>	Not applicable
<b>Vapor pressure:</b>	Not Available
<b>Vapor density:</b>	Not Available
<b>Density</b>	1.03 g/cm <sup>3</sup>
<b>Relative density:</b>	1.03
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	Not Available
<b>Solubility (other):</b>	Not Available
<b>Partition coefficient (n-octanol/water) Log Pow:</b>	Not Available
<b>Auto-ignition temperature:</b>	Not Available
<b>Decomposition temperature:</b>	Not Available
<b>SADT:</b>	Not Available
<b>Viscosity, dynamic:</b>	10,000 mPa·s (40 °C)   12,000 mPa·s (23 °C)
<b>Viscosity, kinematic:</b>	Not Available
<b>VOC:</b>	24 g/l ;

### SECTION 10 - Stability and Reactivity Data

<b>Reactivity</b>	No dangerous reaction if used as recommended.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.
<b>Conditions to avoid</b>	Keep away from heat. Keep away from sources of ignition - No smoking.
<b>Incompatible materials</b>	Water. Acids. Bases.
<b>Hazardous decomposition products</b>	Carbon oxides Oxides of silicon. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

### SECTION 11 - Toxicological information

<b>Information on likely routes of exposure</b>	
<b>Ingestion</b>	Not Available
<b>Inhalation</b>	Not Available
<b>Skin Contact</b>	Not Available
<b>Eye Contact</b>	Not Available
<b>Information on likely routes of exposure</b>	

**SECTION 11 - Toxicological information (cont.)**

<b>Ingestion</b>	Not Available
<b>Inhalation</b>	Not Available
<b>Skin Contact</b>	Not Available
<b>Eye Contact</b>	Not Available
<b>Information on toxicological effects</b>	
<b>Acute toxicity (list all possible routes of exposure)</b>	
<b>Oral</b>	
<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s):</b>	
<b>Octamethylcyclotetrasiloxane</b>	LD 50 (Rat): 4,800 mg/kg
<b>Dermal</b>	
<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s):</b>	
<b>Octamethylcyclotetrasiloxane</b>	LD 50 (Rat): > 2,400 mg/kg
<b>Inhalation</b>	
<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s):</b>	
<b>Octamethylcyclotetrasiloxane</b>	LC50 (Rat): 36 mg/l
<b>Repeated dose toxicity</b>	
<b>Product:</b>	Not Available
<b>Skin Corrosion/Irritation</b>	
<b>Product:</b>	Not Available
<b>Serious Eye Damage/Eye Irritation</b>	
<b>Product:</b>	Not Available
<b>Respiratory or Skin Sensitization</b>	
<b>Product:</b>	Not Available
<b>Carcinogenicity</b>	
<b>Product:</b>	Not Available

### SECTION 11 - Toxicological information (cont.)

<b>IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:</b>	No carcinogenic components identified
<b>US. National Toxicology Program (NTP) Report on Carcinogens:</b>	No carcinogenic components identified
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):</b>	No carcinogenic components identified
<b>Germ Cell Mutagenicity</b>	
<b>In vitro</b>	
<b>Product:</b>	Not Available
<b>Specified substance(s):</b>	
<b>Octamethylcyclotetrasiloxane</b>	Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic) Mouse Lymphoma Assay (OECD Guidline 476): negative (not mutagenic)
<b>In vitro</b>	
<b>Product:</b>	Not Available
<b>Specified substance(s):</b>	
<b>Octamethylcyclotetrasiloxane</b>	Chromosomal aberration (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Inhalation (Rat, male and female): negative
<b>Reproductive toxicity</b>	
<b>Product:</b>	Not Available
<b>Specific Target Organ Toxicity - Single Exposure</b>	
<b>Product:</b>	Not Available
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	
<b>Product:</b>	Not Available
<b>Aspiration Hazard</b>	
<b>Product:</b>	Not Available
<b>Other effects:</b>	Not Available
<b>Specified substance(s):</b>	
<b>Octamethylcyclotetrasiloxane</b>	Octamethylcyclotetrasiloxane (D4) Ingestion: Rodents given large doses via oral gavage of Octamethylcyclotetrasiloxane (1600mg/kg/day,14 days), developed increased liver weights relative to unexposed control animals due to hepatocellular hyperplasia (increased number of liver cells which appear normal) as well as hypertrophy (increased cell size). Inhalation: In inhalation studies, laboratory rodents exposed to Octamethylcyclotetrasiloxane (300 ppm five days/week, 90 days) developed increased liver weights in female animals relative to unexposed control animals. When the exposure was stopped, liver weights returned to normal. Microscopic examination of the liver cells did not show any evidence of pathology. This response in rats, which does not affect the animal's health, is well-documented and widely recognized.

**SECTION 11 - Toxicological information (cont.)**

<b>Octamethylcyclotetrasiloxane</b>	<p>It is related to an increase of liver enzymes that metabolize and eliminate a material from the body. The increased liver weight reverses even while the D4 exposure continues. The finding is not adverse, but is considered a natural adaptive change in rats, and does not represent a hazard to humans. Inhalation studies utilizing laboratory rabbits and guinea pigs showed no effects on liver weights. Inhalation exposures typical of industrial usage (5-10 ppm) showed no toxic effects in rodents. Range finding reproductive studies were conducted (whole body inhalation, 70 days prior to mating, through mating, gestation and lactation), with D4. Rats were exposed to 70 and 700 ppm. In the 700 ppm group, there was a statistically significant reduction in mean litter size and in implantation sites. No D4 related clinical signs were observed in the pups and no exposure related pathological findings were found. A two-year, combined chronic/carcinogenicity study, during which rats were exposed to D4 by inhalation, data showed a statistically significant increase in a benign uterine tumor in female rats exposed at the highest level--a level much higher than the low levels that consumers or workers may encounter. An expert panel of independent scientists who have reviewed the results of this research concur that the finding seen in the two-year study occurred through a biological pathway that is specific to the rat and is not relevant to humans. Therefore, this observed effect does not indicate a potential health hazard to humans. In developmental toxicity studies, rats and rabbits were exposed to D4 at concentrations up to 700 ppm and 500 ppm, respectively. No teratogenic effects (birth defects) were observed in either study.</p>
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**SECTION 12 - Ecological information**

<b>Ecotoxicity</b>	
<b>Acute hazards to the aquatic environment:</b>	
<b>Fish</b>	
<b>Product:</b>	Not Available
<b>Aquatic Invertebrates</b>	
<b>Product:</b>	Not Available
<b>Chronic hazards to the aquatic environment:</b>	
<b>Fish</b>	
<b>Product:</b>	Not Available
<b>Aquatic Invertebrates</b>	
<b>Product:</b>	Not Available
<b>Toxicity to Aquatic Plants</b>	
<b>Product:</b>	Not Available
<b>Persistence and Degradability</b>	
<b>Biodegradation</b>	
<b>Product:</b>	Not Available
<b>Specified substance(s):</b>	
Octamethylcyclotetrasiloxane	3.7 % (29 d, 310 Ready Biodegradability - CO <sub>2</sub> in Sealed Vessels (Headspace Test)) Not readily biodegradable.



**SECTION 12 - Ecological information (cont.)**

<b>BOD/COD Ratio</b>	
<b>Product:</b>	Not Available
<b>Bioaccumulative potential</b>	
<b>Bioconcentration Factor (BCF)</b>	Not Available
<b>Product:</b>	Not Available
<b>Specified substance(s):</b>	
Octamethylcyclotetrasiloxane	Fathead Minnow, Bioconcentration Factor (BCF): 12.40
<b>Partition Coefficient n-octanol / water (log Kow)</b>	
<b>Product:</b>	Not Available
<b>Mobility in soil:</b>	Not Available
<b>Known or predicted distribution to environmental compartments</b>	
<b>Titanium, Bis(ethyl acetoacetato)-diispropoxy</b>	Not Available
<b>Octamethylcyclotetrasiloxane</b>	Not Available
<b>Other adverse effects:</b>	Not Available

**SECTION 13 - Disposal considerations**

<b>General information:</b>	The generation of waste should be avoided or minimized wherever possible. Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.
<b>Disposal instructions:</b>	Disposal should be made in accordance with federal, state and local regulations.
<b>Contaminated Packaging:</b>	Dispose of as unused product.

**SECTION 14 - Transport Information**

<b>DOT (U.S.A.)</b>	
<b>UN Number:</b>	NA 1993
<b>UN Proper Shipping Name:</b>	Combustible liquid, n.o.s.(Decamethylcyclopentasiloxane, METHYLTRIMETHOXYSI-LANE, Titanium, Bis(ethyl acetoacetato)-diispropoxy)
<b>Transport Hazard Class(es)</b>	Not applicable
<b>Class:</b>	CBL
<b>Label(s):</b>	NONE
<b>Packing Group:</b>	III
<b>Marine Pollutant:</b>	No
<b>IMDG</b>	Not Regulated
<b>IATA</b>	Not Regulated
<b>Special precautions for user:</b>	This product is Combustible as defined by the US Department of Transportation (DOT). It is regulated for transport in the US in container > 119 gallons. The product is not regulated for transport by the IATA, ADR/RID, ADNR or the IMDG regulations.

**SECTION 15 - Other Regulatory Information and Pictograms**

<b>US Federal Regulations</b>	
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	None present or none present in regulated quantities
CERCLA Hazardous Substance List (40 CFR 302.4)	None present or none present in regulated quantities
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
<b>Hazard categories</b>	Fire Hazard
	Delayed (Chronic) Health Hazard
<b>SARA 302 Extremely Hazardous Substance</b>	None present or none present in regulated quantities
<b>SARA 304 Emergency Release Notification</b>	None present or none present in regulated quantities
<b>SARA 311/312 Hazardous Chemical</b>	
Titanium, Bis(ethyl acetoacetato)-diispropoxy	10000 lbs
Octamethylcyclotetrasiloxane	10000 lbs
<b>SARA 313 (TRI Reporting)</b>	None present or none present in regulated quantities
<b>Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)</b>	None present or none present in regulated quantities
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):</b>	None present or none present in regulated quantities
<b>US State Regulations</b>	
<b>US. California Proposition 65</b>	This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.
Methanol	Maximum Allowable Dose Level (MADL): 47000 Qg/day. Developmental toxin.
<b>US. New Jersey Worker and Community Right-to-Know Act</b>	Siloxanes and Silicones, di-Me hydroxy terminated Decamethylcyclopentasiloxane Silica Methyltrimethoxysilane 2-Propenoic acid, 2-methyl-, methyl ester, homopolymer Octamethylcyclotetrasiloxane
<b>US. Massachusetts RTK - Substance List</b>	No ingredient regulated by MA Right-to-Know Law present.
<b>US. Pennsylvania RTK - Hazardous Substances</b>	No ingredient regulated by PA Right-to-Know Law present.
<b>US. Rhode Island RTK</b>	No ingredient regulated by RI Right-to-Know Law present.

### SECTION 15 - Other Regulatory Information and Pictograms (cont.)

Inventory Status		
Australia	On or in compliance with the inventory	Remark: None.
Canada DSL Inventory List:	Not in compliance with the inventory	Remark: None.
EINECS, ELINCS or NLP:	On or in compliance with the inventory	Remark: None.
Japan (ENCS) List:	On or in compliance with the inventory	Remark: None.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	Remark: None.
Korea Existing Chemicals Inv. (KECI):	Not in compliance with the inventory	Remark: None.
Canada NDSL Inventory:	Not in compliance with the inventory	Remark: None.
Philippines PICCS:	Not in compliance with the inventory	Remark: None.
US TSCA Inventory:	On or in compliance with the inventory	Remark: None.
New Zealand Inventory of Chemicals:	Not in compliance with the inventory	Remark: None.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remark: None.

### SECTION 16 - Other information, including date of preparation of last revision

<b>HMIS Hazard ID</b>	Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect
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<b>Health</b>	*	<b>0</b>
<b>Flammability</b>		<b>2</b>
<b>Physical Hazards</b>		<b>1</b>

PERSONAL PROTECTION

<b>Issue Date</b>	08/02/2019
<b>Version #</b>	1.0
<b>Further Information:</b>	No Data Available
<b>Disclaimer</b>	<p>Notice to Reader</p> <p>Unless otherwise specified in section 1, Momentive products are intended for use in the manufacture and/or formulation of products and are not intended for direct consumer use. These products are not intended for long-lasting (&gt; 30 days) implantation, injection or direct ingestion into the human body, nor for use in the manufacture of multiple use contraceptives. Keep out of the reach of children.</p>
	<p>Further Information</p> <p>The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.</p>