SECTION 1: Identification

1.1. Product identifier

Product name	XPEL Pro Series Graphene
Product name	XPEL Pro Series Graphene

1.2. Other means of identification

SDS #	XPEL-043
UN/ID No	UN1993

1.3. Recommended use of the chemical and restrictions on use

Recommended Use	For industrial use

1.4. Details of the supplier of the safety data sheet

Supplier Address:
XPEL, Inc.
3251 I-35
San Antonio, TX 78216
Ph: (210) 678-3700
Fax (210) 678-3701

1.5. Emergency telephone number

Emergency Telephone
INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

SECTION 2: Hazards Identification

Appearance	Black liquid
Physical state	Liquid
Odor	Characteristic

2.1. Classification

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Flammable liquids	Category 3

2.2. Signal word

Signal word	Danger

2.3. Hazard statements

Hazard statements

Harmful if swallowed

Causes severe skin burns and eye damage

May cause an allergic skin reaction

Flammable liquid and vapor

2.4. Precautionary statements

Prevention

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Do not breathe dusts or mists

Wear protective gloves/protective clothing/eye protection/face protection

Contaminated work clothing must not be allowed out of the workplace

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof equipment

Use only non-sparking tools

Take precautionary measures against static discharge

2.5. Precautionary statements

Response

Immediately call a POISON CENTER or doctor

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower

Wash contaminated clothing before reuse

If skin irritation or rash occurs: Get medical advice/attention

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Immediately call a POISON CENTER or doctor

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell

Rinse mouth

Do NOT induce vomiting

IN CASE OF FIRE: Use CO2, dry chemical, or foam to extinguish

2.6. Precautionary statements

Storage

Store locked up

Store in a well-ventilated place. Keep cool

2.7. Precautionary statements

Disposal

Dispose of contents/container to an approved waste disposal plant

SECTION 3: Composition/information on ingredients

Chemical Name	CAS No	Weight-%
Cyclosilazanes	475645-84-2	30-50
Hydrocarbons, C10, aromatics, <1% naphthalene	1189173-42-9	5-9
Heptamethyltrisiloxane	67674-67-3	5-9
3-(Triethoxysilyl) propylamine	919-30-2	3-5

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

General information	Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident
After inhalation	Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
After skin contact	Immediately wash with water and soap and rinse thoroughly.
After eye contact	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing	If symptoms persist consult doctor.

4.2. Symptoms caused by exposure

Symptoms/effects	May cause drowsiness or dizziness.
Symptoms/effects after inhalation	Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	May cause an allergic skin reaction.
Symptoms/effects after ingestion	Risk of lung oedema.
Chronic symptoms	May cause genetic defects. May cause cancer.

4.3. Medical attention and special treatment

Treatment	Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	CO2, sand, extinguishing powder. Do not use water.
Unsuitable Extinguishing Media	Water with full jet

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Wear protective equipment. Keep unprotected persons away.
Environmental precautions	Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

For containment	Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
Methods for cleaning up	Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
Information about protection against explosions and fires	Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

7.2. Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles	Store in a cool location.
Information about storage in one common storage facility	Not required
Further information about storage conditions	Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

Components with limit values that require monitoring at the workplace	The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits

8.2. Exposure controls - Personal protective equipment

General protective and hygienic measures	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment	Wear recommended personal protective equipment.
Hand protection	The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection	Tightly fitting safety goggles
Skin and body protection	Wear suitable protective clothing
Respiratory protection	In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
Environmental exposure controls	Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1 Information on physical and chemical properties

Physical state	Liquid
Appearance	Clear
Color	Clear
Odor	Solvent-like
Odor Threshold	No data available
pH	No data available
Melting point/Melting range	No data available
Boiling point/Boiling range	77-78 °C (170.6-172.4 °F)
Flash point	-17 °C (1.4 °F)
Flammability (solid, gaseous)	Highly flammable
Ignition temperature	425 °C (797 °F)
Decomposition temperature	No data available
Auto igniting	Product is not selfigniting
Danger of explosion	Product is not explosive. However, formation of explosive air/vapor mixtures are possible
Explosion limits: lower	1.1 Vol %
Explosion limits: upper	11.5 Vol %
Vapor pressure at 20 °C (68 °F)	97 hPa (72.8 mm Hg)
Density:	No data available
Relative density	No data available
Vapor density	No data available
Evaporation rate	No data available
Solubility in / Miscibility with Water	Not miscible or difficult to mix
Partition coefficient (n-octanol/water)	No data available
Viscosity Dynamic at 20 °C (68 °F)	1,600 mPas
Viscosity Kinematic	No data available
Solvent content	73.2 %
Organic solvents	74.47 %
VOC content	699.4 g/l / 5.84 lb/gal

SECTION 10: Stability and reactivity

Reactivity	No further relevant information available.
Chemical stability	Stable under normal conditions.
Thermal decomposition / conditions to be avoided	No decomposition if used according to specifications.
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to avoid	No further relevant information available.
Incompatible materials	No further relevant information available.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information (LD/LC50 values that are relevant for classification) 1330-20-7 xylene

Acute toxicity (oral)	LD50 4,300 mg/kg (rat)
Acute toxicity (dermal)	LD50 2,000 mg/kg (rabbit)

11.1 Primary irritant effect

On the skin	Irritant to skin and mucous membranes.
On the eye	Irritating effect.
Sensitization	Sensitization possible through skin contact.
Additional toxicological information	The product shows the following dangers according to internally approved calculation methods for preparations: Harmful Irritant

11.2 IARC (International Agency for Research on Cancer)

1330-20-7	Xylene
108-88-3	Toluene
67-63-0	Isopropanol
100-41-4	Ethylbenzene
103-11-7	2-Ethylhexyl acrylate
NTP (National Toxicology Program)	None of the ingredients is listed.
OSHA-Ca (Occupational Safety & Health Administration)	None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity	No further relevant information available
Persistence and degradability	No further relevant information available

12.1 Behavior in environmental systems

Bioaccumulative potential	No further relevant information available
Mobility in soil	No further relevant information available
General notes	Water hazard class 3 (Self-assessment): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground
Results of PBT	Not applicable
Results of vPvB	Not applicable

SECTION 13: Disposal considerations

Waste treatment methods	Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Uncleaned packagings	Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1. UN number

DOT, IMDG, IATA	UN1133

14.2. UN proper shipping name

DOT, IMDG, IATA	Adhesives

14.3. Transport hazard class(es)

Class	3 Flammable liquids
Label	3

14.4. IMDG, IATA

Class	3 Flammable liquids
Label	3

14.5. Packing group

DOT, IMDG, IATA	III
Special precautions for user	Warning: Flammable liquids

14.6. Hazard identification number (Kemler code)

EMS Number	F-E,S-D
Stowage Category	A
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
Transport/Additional information	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
IMDG Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation	UN 1133 ADHESIVES, 3, III

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No further relevant information available.

15.2. Section 355 (extremely hazardous substances)

None of the ingredients is listed

15.3. Section 313 (Specific toxic chemical listings)

1330-20-7	xylene
108-88-3	Toluene
67-63-0	Isopropanol
100-41-4	ethylbenzene

15.4. TSCA (Toxic Substances Control Act)

Ethyl Acetate	ACTIVE
Polymer (Tsca Listed)	TSCA Listed
Xylene	ACTIVE
Toluene	ACTIVE

Isopropanol	ACTIVE
Acetone	ACTIVE
Ethylbenzene	ACTIVE
2-Ethylhexyl Acrylate	ACTIVE

15.5. Hazardous air pollutants

1330-20-7	Xylene
108-88-3	Toluene
100-41-4	Ethylbenzene

15.6. Proposition 65 chemicals known to cause cancer

100-41-4	Ethylbenzene
103-11-7	2-ethylhexyl acrylate
Chemicals known to cause reproductive toxicity for females	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for males	None of the ingredients is listed.
Chemicals known to cause developmental toxicity	108-88-3 Toluene

15.7. EPA (Environmental Protection Agency)

1330-20-7	Xylene I
108-88-3	Toluene II
67-64-1	Acetone I
100-41-4	Ethylbenzene D

15.6. TLV (Threshold Limit Value)

1330-20-7	Xylene A4
108-88-3	Toluene A4
67-63-0	Isopropanol A4
67-64-1	Acetone A4
100-41-4	Ethylbenzene A3

15.7. NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed

15.8. Chemical safety assessment:

A chemical safety assessment has not been carried out.

SECTION 16: Other information

Department issuing SDS	Environment, Health, and Safety Department
Contact	Environmental, Health, and Safety Department
Date of preparation / last revision	05/22/2024

16.1. Abbreviations and acronyms

IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flammable Liquids 2: Flammable liquids – Category 2
Skin Irritation 2: Skin corrosion/irritation – Category 2
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Sensitization - Skin 1: Skin sensitisation – Category 1
Carcinogenicity 2: Carcinogenicity – Category 2
Toxic to Reproduction 2: Reproductive toxicity – Category 2
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3 Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.