

PPF SEALANT

Safety Data Sheet
according to the WHS Regulations
Issue date: 08/01/2023 Version: 1.0
SDS No: 10736-0038



SECTION 1: Product identifier

1.1. GHS Product identifier

Product form Mixture
Product name XPEL PPF Sealant

1.2. Other means of identification

Other means of identification XPEL-006

1.3. Recommended use of the chemical and restrictions on use

Recommended Use Sealants

1.4. Details of manufacturer or importer

Supplier XPEL, Inc. 3251 I-35 San Antonio, TX, 78219 USA T +1 210-678-3700	Supplier XPEL Australia 4/2 Holker St. Newington NSW 2127 Australia
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E-mail address of competent person responsible for the SDS: sds@gbk-ingelheim.de

1.5. Emergency phone number

Emergency number 1300 366 961

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Flammable liquids, Category 3	H226
Serious eye damage/eye irritation, Category 2A	H319
Specific target organ toxicity - Repeated exposure, Category 1	H372
Aspiration hazard, Category 1	H304

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU)



Flame



Exclamation mark



Health hazard

Signal word (GHS AU)

Danger

Contains

Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclic compounds, <2% aromatics ($\geq 5 - < 15 \%$); Solvent naphtha (petroleum), medium aliph. ($\geq 5 - < 15 \%$); Silsesquioxanes, Ph Pr, hydroxy-terminated ($\geq 1 - < 5 \%$); 4-Nonylphenol, branched, ethoxylated ($\geq 1 - < 3 \%$)

Hazard statements (GHS AU)

H226 - Flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways

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H319 - Causes serious eye irritation

H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements (GHS AU)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating, lighting equipment.
P260	Do not breathe vapours, mist, dust, spray.
P264	Wash hands, forearms and face thoroughly after handling.
P240	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves, protective clothing, eye protection, face protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER, a doctor.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical advice if you feel unwell.
P331	Do NOT induce vomiting.
P337 + P313	If eye irritation persists: Get medical advice.
P370 + P378	In case of fire: Use media other than water to extinguish.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

Name	CAS No	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Water	7732-18-5	≥ 55 - < 60	Not classified
Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclic compounds, <2% aromatics	64742-47-8	≥ 5 - < 15	Asp. Tox. 1, H304
Solvent naphtha (petroleum), medium aliph.	64742-88-7	≥ 5 - < 15	Flam. Liq. 2, H225 STOT RE 1, H372 Asp. Tox. 1, H304
DIMETHICONE	9006-65-9	≥ 3 - < 10	Not classified
Decamethylcyclopentasiloxane	541-02-6	≥ 3 - < 10	Not classified
Ceramic materials and wares, chemicals	66402-68-4	≥ 1 - < 10	Not classified
Silsesquioxanes, Ph Pr, hydroxy-terminated	114697-07-3	≥ 1 - < 5	Eye Irrit. 2A, H319
Polydimethylsiloxane	63148-62-9	≥ 1 - < 3	Not classified
4-Nonylphenol, branched, ethoxylated	127087-87-0	≥ 1 - < 3	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
benzyl benzoate	120-51-4	≥ 0.1 - < 0.5	Acute Tox. 4 (Oral), H302

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	Call a physician immediately.
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	Rinse skin with water/shower. Take off immediately all contaminated clothing.
First-aid measures after eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	Do not induce vomiting. Call a physician immediately.

4.2. Symptoms caused by exposure

Symptoms/effects after eye contact	Causes serious eye irritation.
Symptoms/effects after ingestion	Risk of lung oedema. May be fatal if swallowed and enters airways.
Chronic symptoms	Causes damage to organs through prolonged or repeated exposure.

4.3. Medical attention and special treatment

Treatment	Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.

5.2. Specific hazards arising from the chemical

Fire hazard	Flammable liquid and vapour.
Explosion hazard	Product is not explosive.
General measures	Avoid contact with eyes, skin or mucous membrane. Evacuate the danger area. Evacuate personnel to a safe area.
Hazardous decomposition products in case of fire	Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Hazchem Code	* 3Y

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Avoid contact with eyes, skin or mucous membrane. Evacuate the danger area. Evacuate personnel to a safe area.
6.1.1. For non-emergency personnel Emergency procedures	Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe vapours, mist, dust, spray. Avoid contact with skin and eyes.
6.1.2. For emergency responders Protective equipment	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

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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

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

Additional hazards when processed Avoid contact with eyes, skin or mucous membrane.

Precautions for safe handling Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe vapours, mist, dust, spray. Avoid contact with skin and eyes.

Hygiene measures Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures Ground/bond container and receiving equipment.

Storage conditions Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Information on mixed storage Keep away from food, drink and animal feeding stuffs.

Storage area Keep out of frost.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

No additional information available

8.2. Biological Monitoring

No additional information available

8.3. Engineering controls

Appropriate engineering controls Ensure good ventilation of the work station.

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

Hand protection Chemically resistant protective gloves

Eye protection tightly fitting safety goggles

Skin and body protection Wear suitable protective clothing

Respiratory protection [In case of inadequate ventilation] wear respiratory protection.

Environmental exposure controls Avoid release to the environment.

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SECTION 9: Physical and chemical properties

9.1 Information on Physical and Chemical Properties

Physical state	Liquid
Appearance	No data available
Colour	light blue
Odour	sweet odor
Odour Threshold	No data available
pH	8 - 9
pH solution	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point / Freezing point	No data available
Boiling point	187.7 - 287.7 °C
Flash point	42.2 °C
Auto-ignition temperature	215.5 °C
Flammability (solid, gas)	No data available
Vapour pressure	Vapour pressure: 1 mm Hg 25°C
Relative density	No data available
Density	Relative density: 0.815 - 0.9 15,6°C
Solubility	No data available
Log Pow	No data available
Viscosity, kinematic	≤ 20.5 mm ² /s
Explosive properties	Product is not explosive.
Explosive limits	No data available
Minimum ignition energy	No data available
Fat solubility	No data available

SECTION 10: Stability and reactivity

Reactivity	Flammable liquid and vapour.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
Conditions to avoid	Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	Strong oxidizing agent. Strong alkalis.
Hazardous decomposition products	Carbon oxides (CO, CO ₂). vapours.

SECTION 11: Toxicological information

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Harmful if inhaled.

Polydimethylsiloxane (63148-62-9)	
LD50 oral rat	> 24 g/kg

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4-Nonylphenol, branched, ethoxylated (127087-87-0)	
ATE AU (oral)	500 mg/kg bodyweight
benzyl benzoate (120-51-4)	
ATE AU (oral)	500 mg/kg bodyweight
Ceramic materials and wares, chemicals (66402-68-4)	
LD50 dermal rabbit	> 2500 mg/kg bodyweight Animal: rabbit, Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation	Not classified pH: 8 - 9
Serious eye damage/irritation	Causes serious eye irritation. pH: 8 - 9
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified
Carcinogenicity	Suspected of causing cancer.
Reproductive toxicity	Suspected of damaging fertility or the unborn child.
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Solvent naphtha (petroleum), medium aliph. (64742-88-7)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard May be fatal if swallowed and enters airways.

Water (7732-18-5)	
Animal studies and expert judgment for classification	False

Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclic compounds, <2% aromatics (64742-47-8)	
Animal studies and expert judgment for classification	False

Polydimethylsiloxane (63148-62-9)	
Animal studies and expert judgment for classification	False

DIMETHICONE (9006-65-9)	
Animal studies and expert judgment for classification	False

Decamethylcyclopentasiloxane (541-02-6)	
Animal studies and expert judgment for classification	False

Silsesquioxanes, Ph Pr, hydroxy-terminated (114697-07-3)	
Animal studies and expert judgment for classification	False

4-Nonylphenol, branched, ethoxylated (127087-87-0)	
Animal studies and expert judgment for classification	False

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benzyl benzoate (120-51-4)	
Animal studies and expert judgment for classification	False

Ceramic materials and wares, chemicals (66402-68-4)	
Animal studies and expert judgment for classification	False

Solvent naphtha (petroleum), medium aliph. (64742-88-7)	
Animal studies and expert judgment for classification	False

Component	
4-Nonylphenol, branched, ethoxylated(127087-87-0)	The substance is identified for having endocrine disrupting properties but there is no additional data available

SECTION 12: Ecological information

12.1. Ecotoxicity

Ecology - general Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute) Not classified

Hazardous to the aquatic environment, long-term (chronic) Not classified

Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclic compounds, <2% aromatics (64742-47-8)	
LC50 fish 1	2200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

12.2. Persistence and degradability

Water (7732-18-5)	
Not rapidly degradable	-

Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclic compounds, <2% aromatics (64742-47-8)	
Not rapidly degradable	-

Polydimethylsiloxane (63148-62-9)	
Not rapidly degradable	-

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

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12.5. Other adverse effects

Ozone Not classified
Other adverse effects No additional information available

XPEL PPF Sealant	
Fluorinated greenhouse gases	False
Water (7732-18-5)	
Fluorinated greenhouse gases	False
Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclic compounds, <2% aromatics (64742-47-8)	
Fluorinated greenhouse gases	False
Polydimethylsiloxane (63148-62-9)	
Fluorinated greenhouse gases	False
DIMETHICONE (9006-65-9)	
Fluorinated greenhouse gases	False
Decamethylcyclopentasiloxane (541-02-6)	
Fluorinated greenhouse gases	False
Silsesquioxanes, Ph Pr, hydroxy-terminated (114697-07-3)	
Fluorinated greenhouse gases	False
4-Nonylphenol, branched, ethoxylated (127087-87-0)	
Fluorinated greenhouse gases	False
benzyl benzoate (120-51-4)	
Fluorinated greenhouse gases	False
Ceramic materials and wares, chemicals (66402-68-4)	
Fluorinated greenhouse gases	False
Solvent naphtha (petroleum), medium aliph. (64742-88-7)	
Fluorinated greenhouse gases	False

SECTION 13: Disposal considerations

Waste treatment methods Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information Flammable vapours may accumulate in the container.

SECTION 14: Transport information

14.1. UN number

UN-No. (ADG) 1993
UN-No. (IMDG) 1993
UN-No. (IATA) 1993

14.2. UN Proper Shipping Name

Proper Shipping Name (ADG) FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), medium aliph.)
Proper Shipping Name (IMDG) FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), medium aliph.)
Proper Shipping Name (IATA) Flammable liquid, n.o.s. (Solvent naphtha (petroleum), medium aliph.)

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14.3. Transport hazard class(es)

ADG

Transport hazard class(es) (ADG) 3

Danger labels (ADG) 3



IMDG

Transport hazard class(es) (IMDG) 3

Danger labels (IMDG) 3



IATA

Transport hazard class(es) (IATA) 3

Danger labels (IATA) 3



14.4. Packing group

Packing group (ADG) III - Substances presenting low danger

Packing group (IMDG) III

Packing group (IATA) III

14.5. Environmental hazards

Marine pollutant No

Dangerous for the environment No

Other information No supplementary information available

14.6. Special precautions for user

Specific storage requirement No data available

Shock sensitivity No data available

14.7. Additional information

Other information No supplementary information available

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Transport by road and rail

UN-No. (ADG)	1993
Special provision (ADG)	223, 274
Limited quantities (ADG)	5I
Excepted quantities (ADG)	E1
Packing instructions (ADG)	P001, IBC03, LP01
Portable tank and bulk container instructions (ADG)	T4
Portable tank and bulk container special provisions (ADG)	TP1, TP29

Transport by sea

UN-No. (IMDG)	1993
Special provisions (IMDG)	223, 274, 955
Limited quantities (IMDG)	5 L
Excepted quantities (IMDG)	E1
Packing instructions (IMDG)	LP01, P001
IBC packing instructions (IMDG)	IBC03
Tank instructions (IMDG)	T4
Tank special provisions (IMDG)	TP1, TP29
EmS-No. (Fire)	F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER
Stowage category (IMDG)	A

Air transport

UN-No. (IATA)	1993
PCA Excepted quantities (IATA)	E1
PCA Limited quantities (IATA)	Y344
PCA limited quantity max net quantity (IATA)	10L
PCA packing instructions (IATA)	355
PCA max net quantity (IATA)	60L
CAO packing instructions (IATA)	366
CAO max net quantity (IATA)	220L
Special provisions (IATA)	A3
ERG code (IATA)	3L

14.8. Hazchem or Emergency Action Code

Hazchem Code	* 3Y
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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

15.2. International agreements

No additional information available

SECTION 16: Other information

Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties
DOT	Department of Transport
TDG	Transportation of Dangerous Goods
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

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GIS	Globally Harmonized System of Classification, Labelling and Packaging of Chemicals
ICB-Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
MARPOL 73/78 - MARPOL 73/78	International Convention for the Prevention of Pollution From Ships
ADG	Transport of Australian Dangerous Goods

Other information

Data of sections 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. The delivery specifications are contained in the corresponding product sheet. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

Classification	
Eye Irrit. 2A	H319
STOT RE 1	H372
STOT RE 1	H304

Full text of H-statements	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
STOT RE 1	Specific target organ toxicity - Repeated exposure, Category 1
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H318	Causes serious eye damage
H319	Causes serious eye irritation
H372	Causes damage to organs through prolonged or repeated exposure

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