

## SAFETY DATA SHEET

### Section 1: Identification

#### **Product identifier**

Product name: Gnomepen

#### **Other means of identification**

Product Catalogue Number: GPF-VPSA-

#### **Recommended use and restrictions on use**

Recommended Use: Hydrophobic barrier for immunohistochemistry assays

Uses advised against: No information available

#### **Details of the supplier of the safety data sheet**

##### Manufacturer

Invignome  
P.O box 1757  
Rehovot  
Israel

#### **Emergency phone number**

For emergency call local emergency phone numbers.

Email: sales@invignome.com

### Section 2: Hazard(s) Identification

#### **Classification**

##### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity	(single exposure) Category 3
Specific target organ toxicity	(repeated exposure) Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 2

**Label elements**Emergency Overview**Signal word****Danger**

Causes skin irritation

Causes serious eye irritation

Suspected of damaging fertility or the unborn child

May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure

May be fatal if swallowed and enters airways

Highly flammable liquid and vapor



**Appearance:** Colorful

**Physical state** Liquid

**Odor** Solvent

**Precautionary Statements - Prevention**

Obtain special instructions before use

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

Use personal protective equipment as required (including hand, eye and respiratory protection).

Wash face, hands and any exposed skin thoroughly after handling

Do not breathe fumes/vapors/spray

Use only in a fume hood or in a well-ventilated area

Keep away from heat/sparks/open flames/hot surfaces - No smoking!

Keep container tightly closed

Take precautionary measures against static discharge

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

IF IN EYES: 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

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

If skin irritation occurs: Get medical advice/attention

Wash contaminated clothing before reuse

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

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish.

**Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

### Section 3: Composition/ Information on Ingredients

**Substances**

<b>Chemical Name</b>	<b>CAS No</b>	<b>Weight-%</b>
Xylene	1330-20-7	30-40
Toluene	00108-88-3	30-40
Polychloroprene	09010-98-4	15-25
Petroleum distillates	64742-49-0	15-30
Phenol Resin	25085-50-1	10-15
Petrolatum	8009-03-8	1-10
Dyes	NA	1-5

Any concentration shown as a range is due to batch variation

### Section 4: First-Aid Measures

#### Description of first aid measures

General advice	Get medical advice/attention if you feel unwell.
Eye contact	IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin contact	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water and soap. Take off contaminated clothing and wash before reuse. If skin irritation continues: Get medical advice/attention.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.
Ingestion	IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.
Self-protection of the first aider	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

#### Most important symptoms and effects, both acute and delayed

Symptoms: See section 2 for more information

#### Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

### Section 5: Fire-Fighting Measures

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam

#### Unsuitable extinguishing media

None.

#### Specific hazards arising from the chemical

Highly flammable. Risk of ignition. Vapors may travel to source of ignition and flash back.

#### Explosion data

**Sensitivity to Mechanical Impact:** None.

**Sensitivity to Static Discharge:** None.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Section 6: Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**

Personal precautions	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes and skin. Use personal protective equipment as required. Wash thoroughly after handling.
Environmental precautions	Environmental precautions See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Eliminate all ignition sources if safe to do so. Ensure adequate ventilation. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations

**Section 7: Handling and Storage**

**Precautions for safe handling**

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions**

Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Incompatible materials**

Strong oxidizing agents, Strong Bases, Strong Acids

**Section 8: Exposure Controls/Personal Protection**

<b><u>Chemical Name</u></b>	<b><u>ACGIH TLV</u></b>	<b><u>OSHA PEL</u></b>	<b><u>NIOSH IDLH</u></b>
Xylene 95-47-6	100 ppm (434 mg/m <sup>3</sup> ) TWA, 150 ppm (651 mg/m <sup>3</sup> ) STEL	100 ppm (435 mg/m <sup>3</sup> ) TWA, 150 ppm (655 mg/m <sup>3</sup> ) STEL	1,000 ppm
TOLUENE 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 560	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup>

		mg/m3 Ceiling: 300 ppm	
Polychloroprene	NA	NA	NA
Petroleum distillates	5 mg/m3 TWA Inhalable fraction	500 ppm (2,000 mg/m3) PEL 5 mg/m3 PEL Mist.	NA
Phenol Resin	NA	NA	N
Petrolatum	NA	NA	NA
Dyes	NA	NA	NA

**General protective and hygienic measures:**

Use gloves.

Wash hands in water and soap.

**Breathing equipment:**

Application in a chemical fume hood is recommended.

Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

**Protection of hands:**

Wear protective natural rubber, nitrile rubber, Neoprene™ or PVC gloves.

**Eye protection:**

Wear safety glasses with side shields (or goggles).

**Section 9: Physical and Chemical Properties**

<u>Information</u>	<u>Values/description</u>	<u>Comments</u>
<b>Physical state</b>	Liquid	At room temperature
<b>Appearance</b>	yellowish	Coloring agents (dyes) may be added
<b>Odor</b>	Solvent/aromatic	Toluene odor is noticeable
<b>Odor threshold</b>	No information available	
<b>pH</b>	No information available	
<b>Melting point / freezing point</b>	No information available	
<b>Boiling point / boiling range</b>	56C	
<b>Flash point</b>	-20C	
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	Flammable	
<b>Flammability Limit in Air</b>	No information available	
<b>Upper flammability limit:</b>	No information available	
<b>Lower flammability limit:</b>	No information available	
<b>Vapor pressure</b>	(20C) 247 hPa	
<b>Vapor density</b>	(15C) 0.866 G/cc	
<b>Relative density</b>	(15C) 0.866 G/cc	
<b>Solubility in water</b>	(20C) <0.10 Wt%	
<b>Partition coefficient</b>	No information available	

<b>Autoignition temperature</b>	No self ignition	
<b>Decomposition temperature</b>	No information available	
<b>Viscosity</b>	(25C) 1500-2000 cps	
<b>Density</b>	(15C) 0.866 G/cc	
<b>Bulk density</b>	No information available	
<b>Vapor density</b>	No information available	

### Section 10: Stability and Reactivity

**Reactivity:**

Stable under normal conditions.

**Chemical stability:**

Stable under recommended storage conditions.

**Conditions to avoid:**

Heat, flame, sparks.

**Incompatible materials:**

Strong oxidizing agents, strong acids and strong bases.

**Hazardous decomposition products:**

Carbon oxides (CO, CO<sub>2</sub> and others)

### Section 11: Toxicological Information

**Acute toxicity:**

No information available

**Potential routes of exposure/potential health effects**

**Skin:**

May cause skin irritation and/or dermatitis

**Eye:**

Will cause eye discomfort, redness and tearing of the eye.

**Inhalation:**

Vapor concentrations above recommended exposure levels may be irritating to the eyes and the respiratory tract, may cause headaches and dizziness, could be anesthetic and may have other central nervous system affects.

**Ingestion:**

Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.

**Carcinogenic effects:**

Toluene (Cas: 108-88-3) is registered as a IARC group 3 carcinogen.

**Mutagenic effects:**

No information available

**Reproductive toxicity:**

No information available

**Sensitization:**

No information available

**Target organs:**

Liver, central nervous system, Eyes, kidney, Liver, Peripheral Nervous System (PNS), Respiratory system, Skin.

**Chronic toxicity:**

May cause adverse liver effects.

**Section 12: Ecological Information (non-mandatory)**

**Ecotoxicity:**

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Mobility:**

No information available.

**Biodegradation:**

No information available.

**Bioaccumulation:**

No information available.

**Section 13: Disposal Considerations (non-mandatory)**

**Waste disposal**

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated packaging**

Do not reuse container

**US EPA Waste Number**

D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

ACETONE	67-64-1	Ignitable
TOLUENE	108-88-3	Toxic Ignitable
Xylene	1330-20-7	

**Section 14: Transport Information (non-mandatory)**

<b>DOT</b>	
UN/ID No	1133
Proper shipping name:	Adhesives, Limited Quantity (LQ)
Hazard Class	3
Packing Group	II
Emergency Response Guide No.	128
<b>IATA</b>	
UN/ID No	ID 8000
Proper shipping name:	Consumer commodity
Hazard Class	9
ERG Code	9L
<b>IMDG</b>	
UN/ID No	1133



Proper shipping name:	Adhesives, Limited Quantity (LQ)
Hazard Class	3
Packing Group	II
EmS-No	F-E, S-D
<b>Section 15: Regulatory Information (non-mandatory)</b>	
<b><u>US Federal Regulations</u></b>	
<b>SARA Section 355 (extremely hazardous substances):</b>	
<b>SARA Section 313 (specific toxic chemical listings):</b>	
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372	
<b>Toluene</b>	108-88-3
<b>Xylene</b>	1330-20-7
<b>SARA 311/312 Hazard Categories</b>	
Acute health hazard:	Yes
Chronic Health Hazard:	Yes
Fire hazard:	Yes
Sudden release of pressure hazard:	No
Reactive Hazard:	No
<b>Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs):</b>	
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):	
<b>Toluene</b>	108-88-3
<b>Xylene</b>	1330-20-7
<b>CWA (Clean Water Act)</b>	
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)	
<b>Toluene</b>	108-88-3
<b>WHMIS Hazard Class</b>	
<b>Toluene</b>	Class B2; D2A, D2B
<b>Xylene</b>	Class B2; D2A, D2B
<b>Section 16: Other Information</b>	
<b>SDS date of preparation/update:</b> March 2020	

This information related 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. Such information is to the best of Invignome's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.