

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 elementsEmergency 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 CO₂, 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

Chemical Name	CAS No	Weight-%
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 (CO₂), 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

<u>Chemical Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NIOSH IDLH</u>
Xylene 95-47-6	100 ppm (434 mg/m3) TWA, 150 ppm (651 mg/m3) STEL	100 ppm (435 mg/m3) TWA, 150 ppm (655 mg/m3) STEL	1,000 ppm
TOLUENE 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m3 (vacated) STEL: 150 ppm (vacated) STEL: 560	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m3 STEL: 150 ppm STEL: 560 mg/m3

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

Autoignition temperature	No self ignition	
Decomposition temperature	No information available	
Viscosity	(25C) 1500-2000 cps	
Density	(15C) 0.866 G/cc	
Bulk density	No information available	
Vapor density	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, CO₂ 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)

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

Proper shipping name:	Adhesives, Limited Quantity (LQ)
Hazard Class	3
Packing Group	II
EmS-No	F-E, S-D
Section 15: Regulatory Information (non-mandatory)	
<u>US Federal Regulations</u>	
SARA Section 355 (extremely hazardous substances):	
SARA Section 313 (specific toxic chemical listings):	
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	
Toluene	108-88-3
Xylene	1330-20-7
SARA 311/312 Hazard Categories	
Acute health hazard:	Yes
Chronic Health Hazard:	Yes
Fire hazard:	Yes
Sudden release of pressure hazard:	No
Reactive Hazard:	No
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs):	
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):	
Toluene	108-88-3
Xylene	1330-20-7
CWA (Clean Water Act)	
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)	
Toluene	108-88-3
WHMIS Hazard Class	
Toluene	Class B2; D2A, D2B
Xylene	Class B2; D2A, D2B
Section 16: Other Information	
SDS date of preparation/update: 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.