

Safety Data Sheet

Invignome

www.invignome.com



Product Identifier

SECTION 1. IDENTIFICATION

Product Identifier:

BarrierPaste

Other Means of Identification:

Product Catalogue Numbers: F25V01X [X varies according to color]

Recommended Use:

Hydrophobic barrier for immunohistochemistry assays

Uses advised against:

None

Restrictions on Use:

No information available

Initial Supplier Identifier:

Invignome

P.O box 1757

Rehovot

Israel

Emergency Telephone Number:

For emergency call local emergency phone numbers

SECTION 2. HAZARD IDENTIFICATION

Classification:

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

- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H360 Suspected of damaging fertility or the unborn child
- H336 May cause drowsiness or dizziness
- H371 May cause damage to organs through prolonged or repeated exposure
- H304 May be fatal if swallowed and enters airways
- H225 Highly flammable liquid and vapor

Other Hazards



Appearance: Colorful

Physical state Liquid

Odor Organic Solvent

Precautionary Statements - Prevention

Obtain manufacturer 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 inhale fumes/vapors/spray

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

Keep away from heat/sparks/open flames/hot surfaces

Keep container tightly closed

Take precautionary measures against static discharge

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

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

SKIN 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

INHALATION: Seek fresh air and keep at rest in a position comfortable for breathing

SWALLOWED: Immediately contact POISON CENTER or consult with physician

Do NOT induce vomiting

In case of fire: Use CO₂, dry chemical, or foam to extinguish.

Precautionary Statements - Storage

Store locked, and out of the reach of children.

Store in a well-ventilated cool place.

Precautionary Statements - Disposal

Dispose 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

Chemical Name	CAS No.	Concentration	Common name / Synonyms	Other identifiers
Xylene	1330-20-7	30-40	Xylol	
Toluene	00108-88-3	30-40	Methylbenzene	
Polychloroprene	09010-98-4	15-25	1,3-Butadiene	
Petroleum distillates	64742-49-0	15-30		
Phenol Resin	25085-50-1	10-15		
Petrolatum	8009-03-8	1-10		
Dyes	NA	1-5		

Notes

Any concentration shown as a range is due to batch variation.

SECTION 4. FIRST-AID MEASURES

Inhalation

IF INHALED: Seek fresh air and keep at rest in a position comfortable for breathing.

If symptoms persist, call a physician.

Skin Contact

IF ON SKIN 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.

Eye Contact

IF IN EYES: Rinse continuously with water for 15 minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Ingestion

Immediately contact POISON CENTER or consult with physician.

Do NOT induce vomiting

Most Important Symptoms and Effects, Acute and Delayed

See "Emergency Overview"

Immediate Medical Attention and Special Treatment

Note to physicians: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide (CO₂), Dry chemical, Foam, water

Unsuitable Extinguishing Media

None.

Specific Hazards Arising from the Product

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

Special Protective Equipment and Precautions for Fire-Fighters

Wear self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

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.

Methods for Containment and Cleaning Up

Prevent further leakage or spillage if safe to do so.

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

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

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL	TWA	STEL
Xylene 95-47-6	100 ppm (434 mg/m ³)	20 ppm (130mg/m ³)	100 ppm (435 mg/m ³)	150 ppm (560 mg/m ³)
Toluene 108-88-3	20ppm (75 mg/m ³)	100ppm (375mg/M ³)	10 ppm (37 mg/m ³)	150 ppm (560 mg/m ³)
Polychloroprene	NA	NA	NA	NA
Petroleum distillates	85ppm (350 mg/m ³)	NA	500ppm (2000 mg/m ³)	NA
Phenol Resin	NA	NA	NA	NA

Petrolatum	NA	NA	NA	NA
Dyes	NA	NA	NA	NA

Notes

Appropriate Engineering Controls

Individual Protection Measures

Use gloves.

Wash hands with water and soap.

Eye/Face Protection

Wear safety glasses with side shields (or goggles).

Skin Protection

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

Respiratory Protection

Application in a chemical fume hood is recommended.

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state

Liquid

Colour

Yellowish (undyed)

Odour

Solvent/aromatic

Melting Point and Freezing Point

No information available

Boiling point or Initial Boiling Point and Boiling Range

56C

Flammability

Flammable

Upper and Lower Flammability or Explosive Limit

Flash point

No information available

Auto-ignition temperature

No self ignition

Decomposition Temperature

No information available

pH

No information available

Kinematic Viscosity

(25C) 1500-2000 cps

Solubility

(20C) <0.10 Wt%

Partition Coefficient, n-Octanol / Water (Log K_{ow})

No information available

Vapour Pressure

(20C) 247 hPa

Density and Relative density

(15C) 0.866 G/cc

Relative Vapour Density

No information available

Particle characteristics

No information available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

In presence of incompatible materials

Conditions to Avoid

Heat, flame, sparks.

Incompatible Materials

Strong oxidizing agents, strong caustic agents

Hazardous Decomposition Products

Carbon oxides (CO, CO₂ and others)

SECTION 11. TOXICOLOGICAL INFORMATION**Likely Routes of Exposure**

Inhalation Skin contact Eye contact Ingestion

Acute Toxicity

No information available

LC50

No information available

LD50 (oral)

No information available

LD50 (dermal)

No information available

Notes**Skin Corrosion / Irritation**

May cause skin irritation and/or dermatitis

Serious Eye Damage / Irritation

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

STOT (Specific Target Organ Toxicity) – Single Exposure

No information available

Aspiration Hazard

Aspiration may cause pulmonary edema and pneumonitis.

STOT (Specific Target Organ Toxicity) – Repeated Exposure

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

Respiratory and/or Skin Sensitization

No information available

Carcinogenicity

Chemical Name	IARC	ACGIH®	OSHA
Xylene 95-47-6	group 3	A4	EPA-1
TOLUENE 108-88-3	group 3	A4	EPA-II
Polychloroprene	No information available	No information available	No information available
Petroleum distillates	No information available	No information available	No information available
Phenol Resin	No information available	No information available	No information available
Petrolatum	No information available	No information available	No information available
Dyes	No information available	No information available	No information available

Notes

Reproductive Toxicity

No information available

Development of Offspring

No information available

Sexual Function and Fertility

No information available

Effects on or via Lactation

No information available

Germ Cell Mutagenicity

No information available

Interactive Effects

No information available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

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

Persistence and Degradability

No information available.

Bio-accumulative Potential

No information available.

Mobility in Soil

No information available.

Other Adverse Effects

No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents/container to an approved waste disposal plant

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Technical Name (for N.O.S. entry)	Transport Hazard Class(es)	Packing Group
TGD	1133	Adhesives, Limited Quantity (LQ)	Toluene, Xylene	3	II

Special Precautions

Avoid heat, sparks or flame.

Environmental Hazards

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

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

SECTION 16. OTHER INFORMATION

Date of Latest Revision

June 2023

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