

MATERIAL SAFETY DATA SHEET

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Product Name: **SEALXPert POLY INNER WRAP 980**
MSDS No: 163

Revision No: 0

Issued by: Yogesh
Issue Date: 30 October 2015

Section 1 – Company Details

Company Name: SealXpert Products
Address: 60 Kaki Bukit Place #09-11 Eunos Techpark
Singapore 415979

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Fax: +65 6749 6916
Email: mailbox@sealxpert.com

Section 2 – Composition

Ingredient	CAS NO.	Content (Wt%)	R Phrases	Classification
Polymers, Rubber, and Resins	N.A.	<45%	None	None
Inorganic Compounds	N.A.	<35%	None	None
Carbon Black	1333-86-4 215-609-9	1 - 10%	None	None

Section 3 – Hazardous Identification

EU Main Hazards: Not classified as hazardous
Routes of Entry: Skin contact
Carcinogenic Status: See Section 11 for information
Target Organs: Skin
Health Effects – Eyes: Contact may cause irritation due to mechanical abrasion
Health Effects – Skin: Prolonged, repeated contact with adhesive may cause skin irritation
Health Effects – Ingestion: Not an expected route of entry during normal handling and use
Health Effects – Inhalation: Not an expected route of entry during normal handling and use

Section 4 – First Aid Measures

Ingestion: Obtain medical attention immediately.
Inhalation: Remove person to fresh air. Seek medical attention if symptoms persist.
Skin contact: Wash skin thoroughly with soap and water. Obtain medical attention if blistering occurs or redness persists.
Eye contact: Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.
Advice to Physicians: Treat symptomatically.

Section 5 – Fire Fighting Measures

Extinguishing Media: Water spray, carbon dioxide and dry chemical.
Unusual Fire and Explosion Hazards: May release hazardous vapors during a fire.
Protective Equipment for Fire-Fighting: Wear full protective clothing and self-contained breathing apparatus.

Section 6 – Accidental Release Measures

No specific measures necessary. Prevent the material from entering drains or watercourses.

Section 7 – Handling and Storage

Keep away from heat and sources of ignition. Storage area should be: - cool - dry - well ventilated - away from incompatible materials

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Section 8 – Exposure Controls / Personal Protection

Occupational Exposure Standards: Exposure limits are listed below, if they exist
Polymers , Rubber and Resins: None established
Carbon Black: OSHA and ACGIH TLV: 3.5 mg/m³
Engineering Control Measures: No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels
Respiratory Protection: Respiratory protection not normally required
Hand Protection: Not required under normal conditions of use. However, care should be taken to avoid contact with the adhesive
Eye Protection: Safety glasses
Body Protection: Normal work wear

Section 9 – Physical and Chemical Characteristics

Physical State: Pressure sensitive adhesive coated on polymer backing
Color: Black adhesive with black backing
Odor: Slight rubber
pH: Not applicable
Specific Gravity: No data available
Boiling Range/Point (°C/F): Not applicable
Melting Point (°C/F): Not applicable
Flash Point (PMCC) (°C/F): Not known
Explosion Limits (%): No data available
Vapor Pressure: Not applicable
Density: No data
Solubility in Water: Not known
Vapor Density (Air = 1): Not applicable

Section 10 – Stability and Reactivity

Stability: Stable under normal conditions
Conditions to Avoid: Heat - High temperatures
Materials to Avoid: Strong oxidizers
Hazardous Polymerization: Will not occur
Hazardous Decomposition Products: oxides of carbon

Section 11 – Toxicological Information

Acute Toxicity: Carbon Black: LD50 (rat), >8000 mg/kg
Specific Target Organ Systemic Toxicity (single and repeat): No relevant studies identified
Serious Eye damage/Eye Irritation: May cause irritation due to mechanical abrasion
Skin Corrosion/Irritation: May cause slight irritation on prolonged, repeated contact
Respiratory or Skin Sensitization: Carbon Black: No evidence of sensitization was found in animals. No cases of sensitization in humans have been reported
Carcinogenicity: Carbon Black is classified by IARC: Group 2B possible human carcinogen. When encapsulated in the adhesive matrix the risk of exposure is reduced
Germ Cell Mutagenicity: Carbon Black: Not considered to be mutagenic based on in vivo studies
Toxicity to Reproduction: Carbon Black: No reproductive effects have been reported in long term animal studies

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Section 12 – Ecological Information

Mobility: Carbon Black: Mobility: Not soluble in water. Not expected to migrate. Expected to remain on soil surface

Persistence/Degradability: No relevant studies identified

Bio-accumulation: Carbon Black: Potential bioaccumulation is not expected because of physiochemical properties of the substance

Ecotoxicity: Carbon Black: LC50 Zebra fish >1000mg/l 96hr
EC50 Water flea >5600 mg/l 24hr
EC50 Algae >10,000 mg/l 72hr

Section 13 – Disposal Considerations

Dispose of in accordance with all applicable local and national regulations

Section 14 – Transportation Information

Transportation: Not classified as Dangerous Goods according to Singapore Code for Transport of Dangerous Goods by Road, Rail and Air.

Section 15 – Regulatory Information

Observe the governmental or local regulations to use the product safely.

Section 16 – Other Information

NFPA Ratings:
NFPA Code for Flammability – 0
NFPA Code for Health – 1
NFPA Code for Reactivity – 0
NFPA Code for Special Hazards – 0

HMIS Ratings:
HMIS Code for Flammability - 0
HMIS Code for Health - 1
HMIS Code for Reactivity - 0
HMIS Code for Personal Protection - See Section 8

Abbreviations:
N/A: Denotes no applicable information found or available
CAS#: Chemical Abstracts Service Number
ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit
NTP: National Toxicology Program
IARC: International Agency for Research on Cancer
R: Risk
S: Safety
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50%
BOD: Biological Oxygen Demand
KoC: Soil Organic Carbon Partition Coefficient

Warning to users:

This data sheet completes the technical notices but does not supersede them. The information contained in it is grounded to the statement of our knowledge of the product concerned at the publishing date. Moreover, user's attention should be drawn on the possible risks incurred when a product is used for other purposes than those for which it has been designed. It does not stop in any case the user knowing and following the whole regulatory texts related to his activity. He will be the sole responsible of the precautions related to the use of the products he knows.

The aim of the whole regulatory prescriptions mentioned is to help the receiver to fulfill his duties when using the product. This list must not be considered as exhaustive. It does not stop the user from making sure that he complies with the written obligations other than those previously cited and which rule the fact of keeping and using the product for which he is the sole responsible person.