

SAFETY DATA SHEET

Date of Issue: 21/03/2017

Issue No 2

Last revision: March 2017

File F:\msdsother\MSDS original\HiLiteSeal - GHS.docx

1. PRODUCT IDENTIFIER & IDENTITY FOR THE CHEMICAL**Product Identifier: HI-LITE SEAL****Other Means of Identification:**

Proper shipping name (ADG): RESIN SOLUTION, flammable contains (Isopropanol, Xylene)

SUSMP name: Poison Schedule 6 (xylene, naphtha)

Other names or synonyms:

Product Code: M1120

Recommended use of the chemical and restrictions on use Sealer for terracotta, sandstone, granite, marble, ceramics and vitrified semi porous surfaces. No restrictions.**Supplier Details****PERTH:**

Environex International Pty Ltd;

19 Motivation Drive

Wangara WA 6065

EMAIL: sales@environex.net.au

ABN: 371 5988 7117

FAX: (08) 9302 5000

TEL: (08) 9302 4000

BUNBURY:

Environex International Pty Ltd;

18 Halifax Drive,

Bunbury WA 6230

CONTACT POINT - Chemist - TELEPHONE (08) 9302 4000

EMERGENCY TELEPHONE NUMBER: A/H +61 407 994 198 or Toll Free 1800 999 196

2. HAZARD IDENTIFICATION**Emergency overview:** Corrosive. May be harmful if swallowed. Causes eye and skin burns. May cause severe respiratory and digestive tract irritation with possible burns.**Classification of the hazardous chemical**

Classification by the ADG Code: A dangerous good.

Classification by Hazardous Chemical Information System (HCIS) (Australia):

Flam. Liq. 2, H225

Asp. Tox.1, H304

Acute Tox. 4 H312;

Skin Irrit. 2 H315

Eye Irrit. 2A, H319

Acute Tox. 4 H332;

STOT SE 3, H336

Germ Cell Mut. 1B, H340

Carc. 1B, H350

Label elements according to the National model Code of Practice for the Labelling of Workplace Hazardous Chemicals (2015):**Hazard pictograms:**

Flame Health Hazard Exclamation Mark Environment

Signal word: DANGER**Hazard statements:**

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways

SAFETY DATA SHEET

Date of Issue: 21/03/2017

Issue No 2

Last revision: March 2017

File F:\msdsother\MSDS original\HiLiteSeal - GHS.docx

H312 Harmful in contact with skin
 H315 Causes skin irritation
 H319 Causes serious eye irritation
 H332 Harmful if inhaled
 H336 May cause drowsiness or dizziness
 H340 May cause genetic defects
 H350 May cause cancer

Precautionary statements:

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P210 Keep away from heat/sparks/open flames/hot surfaces.– No smoking.
 P233 Keep container tightly closed.
 P240 Ground/Bond container and receiving equipment - if electrostatically sensitive material is for reloading. - if product is volatile so as to generate hazardous atmosphere.
 P241 Use explosion-proof electrical/ ventilating/lighting/.../equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.
 P264 Wash ...thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/ protective clothing/ eye protection/face protection.
 P281 Use personal protective equipment as required.
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.
 P312 Call a POISON CENTRE or doctor/physician if you feel unwell.
 P321 Specific treatment (see ... on this label) (cleansing agent if appropriate)
 P322 Specific measures (see ... on this label) (- if immediate measures such as specific cleansing agent is advised)
 P331 Do NOT induce vomiting.
 P332 + P313 If skin irritation occurs: Get medical advice/attention.
 P337 + P313 If eye irritation persists: Get medical advice/attention
 P362 Take off contaminated clothing and wash before reuse.
 P363 Wash contaminated clothing before reuse.
 P370 + P378 In case of fire: Use ... for extinction.
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents/ container in accordance with local/regional/ national/international Regulations

Other hazards which do not result in classification**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<i>Substance Name</i>	<i>Concentrat</i>	<i>Product Identifier</i>	<i>Hazard Classes and</i>
-----------------------	-------------------	---------------------------	---------------------------

SAFETY DATA SHEET

Date of Issue: 21/03/2017

Issue No 2

Last revision: March 2017

File F:\msdsother\MSDS original\HiLiteSeal - GHS.docx

	<i>ion, %</i>		<i>Hazard Categories</i>
Propan-2-ol	100	CAS No. 67-63-0 EC No. 200-661-7 Index: 603-117-00-0	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Xylene, mixture of isomers	10-30	CAS No. 1330-20-7 EC No. 215-535-7	Flam. Liq. 3 H226; Acute Tox. 4 * H332; Acute Tox. 4 * H312; Skin Irrit. 2 H315 STOT SE 3, H335
Light Aromatic Solvent Naphtha (petroleum)	<10	CAS No. 64742-95-6 EC No. 265-199-0	Carc. 1B, H350 Germ Cell Mut. 1B, H340 Asp. Tox..1, H304

Ingredients either below cut off levels or not classified in “Implementing GHS – Annex 9”

<i>Substance Name</i>	<i>Concentration, %</i>	<i>Product Identifier</i>	<i>Hazard Classes and Hazard Categories</i>
Acrylic Resin	24	CAS No. EC No.	Not Listed
n-butyl acetate	<1	CAS No. 123-86-4 EC No. 231-633-2	Flam. Liq. 3, H226 STOT SE 3, H336

4. FIRST AID MEASURES

Description of necessary first aid measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid immediately.

Skin: Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Discard contaminated clothing in a manner, which limits further exposure. Get medical aid immediately.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of water. Get medical aid immediately.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. DO NOT use mouth-to-mouth respiration. Get medical aid immediately.

Symptoms caused by exposure:

Medical Attention and Special Treatment: Treat symptomatically and supportively

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use agent most appropriate to extinguish surrounding fire. For small fires, use water spray, dry chemical, carbon dioxide or chemical foam. Do NOT get water inside containers. For large fires, use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray. Cool containers with flooding quantities of water until well after fire is out.

Specific hazards arising from the chemical

Fire: May produce toxic fumes of carbon monoxide and carbon dioxide.

Explosion: Not an explosion hazard.

Hazchem Code: ●3YE

Special protective equipment and precautions for fire fighters

Advice for firefighters: Keep containers cool with water spray. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear

SAFETY DATA SHEET

Date of Issue: 21/03/2017

Issue No 2

Last revision: March 2017

File F:\msdsother\MSDS original\HiLiteSeal - GHS.docx

appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. Containers may explode when heated

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures:**

Use suitable equipment (including PPE) to prevent contamination of skin, eyes and personal clothing. Remove ignition sources and provide sufficient ventilation.

Emergency procedures, Evacuate the danger area or to consult an expert. Approach from upwind. Isolate the area. Wear self-contained breathing apparatus in confined spaces, in cases where the oxygen level is depleted, or in case of significant emissions. Prevent further leakage or spillage if safe to do so. Keep away from incompatible products.

Environmental precautions: If the product contaminates rivers and lakes or drains inform respective authorities. Do not flush into surface water or sanitary sewer system.

General Information: Use proper personal protective equipment as indicated in Section 8.

Methods and materials for containment and cleaning up

Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Cover with sand or absorbant material and place in a closed container for disposal. Remove all sources of ignition. Flush spill area with water. Do not get water inside containers.

7. HANDLING AND STORAGE

Precautions for safe handling: General: Eating, drinking and smoking in work areas is prohibited. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas. Use only in a well-ventilated area. Keep container tightly closed. Do not get on skin or in eyes. Do not ingest or inhale. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.

Conditions for safe storage, including any incompatibilities: Store according to Australian Standards AS 1940 - The storage and handling of flammable and combustible liquids. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters – exposure standards, biological monitoring**

HCIS Airborne Exposure Limits: Isopropyl Alcohol (2-Propanol): TWA 400 ppm (983 mg/m³), STEL 500 ppm (1230 mg/m³). Xylene: TWA 80 ppm (350 mg/m³); STEL 150 ppm (655 mg/m³).

Appropriate engineering controls: Facilities storing or utilising this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Refer to protective measures listed in sections 7 and 8.

Personal protective equipment (PPE)

Respiratory protection

Advice: Use respirator with appropriate filter if vapours or aerosol are released. Recommended Filter type:A

SAFETY DATA SHEET

Date of Issue: 21/03/2017

Issue No 2

Last revision: March 2017

File F:\msdsother\MSDS original\HiLiteSeal - GHS.docx

Hand protection

Advice: Wear suitable gloves. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Protective gloves should be replaced at first signs of wear. Material: fluorocarbon rubber. Gloves: ≥ 8 h. Glove thickness: 0.4 mm

Eye protection

Advice: Tightly fitting safety goggles

Skin and body protection

Advice: Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear, viscous liquid

Odour: Aromatic solvent

Odour threshold: xylene: 0.27, 1.0 ppm

pH: not applicable

Melting point: Not available

Initial boiling point and boiling range: 82.5 °C (isopropanol)

Flash point: 11.8 °C (isopropanol)

Evaporation rate: approx. 1.7

Flammability (solid, gas) : Not available

Upper/lower flammability or explosive limits: LEL: 0.01%; UEL 12.7%

Vapour pressure: 4.4 hPa @ 20 °C (isopropanol)

Vapour density: Not available

Specific Gravity: 0.83

Solubility: partly soluble

Partition coefficient: n-octanol/water: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: No information

Volatiles, w/w: 70%

10. STABILITY AND REACTIVITY

Reactivity: Will react with oxidising materials.

Chemical Stability: Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions: Will not react or polymerise, releasing excess pressure or heat, or create other hazardous conditions.

Conditions to Avoid: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Avoid release to the environment..

Incompatible materials and possible hazardous reactions: Oxidising materials.

Hazardous Decomposition Products: Oxides of carbon

11. TOXICOLOGICAL INFORMATION**Acute toxicity:**

Health Effects

Skin: May be harmful in contact with skin. Causes skin irritation.

Eye: Causes serious eye irritation.

SAFETY DATA SHEET

Date of Issue: 21/03/2017

Issue No 2

Last revision: March 2017

File F:\msdsother\MSDS original\HiLiteSeal - GHS.docx

Ingestion Can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach.

Inhalation: Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness. May cause respiratory irritation.

Chronic: Prolonged inhalation may cause respiratory tract inflammation and lung damage. Prolonged or repeated skin contact may cause dermatitis. Prolonged or repeated eye contact may cause conjunctivitis

Respiratory or skin sensitisation: Not sensitising

Germ cell mutagenicity: May cause genetic defects

Carcinogenicity: May cause cancer. Risk of cancer depends on duration and level of exposure

Reproductive toxicity: May damage the unborn child. May damage fertility

Specific Target Organ Toxicity (STOT) – single exposure: Not available

Specific Target Organ Toxicity (STOT) – repeated exposure: Not available

Aspiration hazard: yes

Information on Possible routes of exposure: Ingestion, Inhalation, Skin/ eye exposure.

Delayed Health Effects from Exposure: Not available

Interactive Effects: Not available

Mixtures of Chemicals:

Isopropanol: Skin: LD50 Dermal (Rabbit) 12800 mg/kg. Eye: Mild to severe irritant. Ingestion: LD50 Oral (Rat) 5000mg/kg.

Xylene

LD50 Oral	Rat	4,300 mg/kg
LC50 Inhalation	Rat	5000 ppm/4 h
LD50 Dermal	Rabbit	> 1,700 mg/kg

Light Aromatic Solvent Naphtha (petroleum)

LD50 Oral	Rat	8,400 mg/kg
LD50 Oral	Quail	> 2,150 mg/kg

Carcinogenicity:

Xylene

ACGIH	Not classifiable as to its carcinogenicity to humans.
IARC	IARC Group 3, not classifiable as to carcinogenicity to humans
NTP	Not listed
OSHA	Not regulated
EU	Not classified

Light Aromatic Solvent Naphtha (petroleum)

ACGIH	Not classified
IARC	Not classified
NTP	Not listed
OSHA	Not regulated
EU	Not classified

12. ECOLOGICAL INFORMATION

Ecotoxicity: This material is toxic to aquatic life with long lasting effects.

Isopropanol: Acute LC50 1400000 ug/L Marine water (Crustaceans - Crangon crangon, 48 hours).

Acute LC50 >1400000 ug/L (Fish - Gambusia affinis - 20 to 30 mm, 96 hours)

Xylene: Fish:

Species: Pimephales promelas. Exposure Time: 96 h. Value type: LC50. Value: 26.7 mg/l

Species: Leuciscus idus melanotus: Exposure Time: 48 h. Value type: LC50. Value: 86 mg/l

SAFETY DATA SHEET

Date of Issue: 21/03/2017

Issue No 2

Last revision: March 2017

File F:\msdsother\MSDS original\HiLiteSeal - GHS.docx

Toxicity to daphnia and other aquatic invertebrates.

Species: Daphnia magna. Exposure time: 24 h. Value type: EC50. Value: 165 mg/l

Persistence and degradability: Product will degrade in sewage treatment plants.

Bioaccumulative potential: Not available

Mobility in soil: Not available

Other adverse effects: None known

13. DISPOSAL CONSIDERATIONS

Disposal methods: Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved waste facility. State and local disposal regulations may differ from federal disposal regulations. Neutralise to pH 6-9 before disposal

Disposal of any contaminated packaging: Dispose of container and unused contents in accordance with federal, state and local requirements..

Effects of sewage disposal: No data

14. TRANSPORT INFORMATION

Australian DG Classification for Road and Rail: UN1866; Proper Shipping Name: RESIN SOLUTION, flammable (contains Isopropanol, xylene, light aromatic solvent Naphtha); Class 3; Packing Group II

Environmental hazards for Transport Purposes: Not a marine pollutant

Special precautions during transport: None

Hazchem Code: ●3YE

15. REGULATORY INFORMATION**Safety, Health and Environmental Regulations**

Chemical Inventory Status: All ingredients are listed on the AICS

SUSMP Labelling: Poisons Schedule: S6 **FIRST AID:** For advice, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor (at once). If swallowed, do NOT induce vomiting. If in eyes, wash out immediately with water. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. **SAFETY DIRECTIONS:** Avoid contact with eyes and skin. Avoid breathing vapour or spray mist.

16. OTHER INFORMATION

Date of preparation or review:

Key abbreviations or acronyms used:

End of SDS