

**Ionpaint™ EcoSeal 05i****Water Based Alkali Resisting Acrylic Sealer**

抗碱水性内墙底漆

**1. Product and Company Identification**

Trade Name : Ionpaint™  
 Product Name : EcoSeal 05i  
 Category : Air Purification, Low Odour, Low VOC, Free Lead & Mercury and Antibacterial  
 Water Borne Styrene Acrylic Sealer  
 Use : Specially made for sealed primer or primer, suitable for interior wall surface  
 Manufacturer : **MCW TECH Sdn. Bhd.** (1243748-D)  
 No. 7 & 9, Lorong Tembikai 8,  
 Kawasan Perniagaan Sungai Rambai,  
 14000 Bukit Mertajam,  
 Pulau Pinang, Malaysia.  
 Tel : +60 4 530 1213  
 Fax : +60 4 537 7633  
 Web : <http://www.mcwtech.co>

**1. 化学品及企业标识**

商标名称 : Ionpaint™  
 产品名称 : EcoSeal 05i  
 类别 : 净化空气、低气味、低VOC、无汞及无铅、抗菌、抗藻类及菌类无光泽 - 水性底漆  
 用途 : 特制为封闭底漆或底漆, 适用于内墙表面  
 企业资讯 : **MCW TECH Sdn. Bhd.** (1243748-D)  
 No. 7 & 9, Lorong Tembikai 8,  
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**2. Composition / Information of Ingredients**

| <u>Ingredient</u> | <u>CAS No.</u> | <u>Approx % Wt</u> |
|-------------------|----------------|--------------------|
| Acrylic Polymer   | -              | 30 - 40%           |
| Ethylene Glycol   | 107-21-1       | 1 - 2%             |
| Titanium Dioxide  | 13463-67-7     | 3 - 6%             |
| Extender          | -              | 15 - 25%           |

**2. 成分 / 组成信息**

| <u>主要组分</u> | <u>CAS No.</u> | <u>含量范围</u> |
|-------------|----------------|-------------|
| 丙烯酸酯聚合物     | -              | 30 - 40%    |
| 乙二醇         | 107-21-1       | 1 - 2%      |
| 二氧化钛        | 13463-67-7     | 3 - 6%      |
| 混合剂         | -              | 15 - 25%    |

## Ionpaint™ EcoSeal 05i

## 3. Hazard Identification

|                               |  |
|-------------------------------|--|
| GHS Hazard Category           | : This product is non-hazardous, no GHS classification.  |
| Physical and Chemical Hazards | : This product is not flammable at normal temperature.   |
| Health Hazards                | : According to the available information, the powder state of titanium dioxide in this product only will have an impact on human health. Using under the guide of appropriate precautions will not cause harm to the human body. |
| Environmental Hazards         | : Reasonable usage will not cause harm to the environment.   |
| Other Hazards                 | : No data available.   |

## 3. 危险性概述

|           |  |
|-----------|--|
| GHS 危险性类别 | : 该产品为非有害品, 无GHS分类。  |
| 物理和化学危险   | : 该产品在常温常态下不可燃。  |
| 健康危害      | : 根据现有资料, 本产品中二氧化钛只有在粉末状态下才会对人体健康有影响, 在采取合适防范措施使用情况下, 不会对人体造成危害。 |
| 环境危害      | : 合理使用情况下, 不会对环境造成危害。  |
| 其他危害      | : 无数据资料。   |

## 4. First Aid Measures

|                |   |
|----------------|---|
| Skin Contact   | : Immediately remove any contaminated clothing and wash thoroughly with running water.<br>If skin irritation persists, seek for medical advice immediately. |
| Eye Contact    | : Flush with a large amount of water for at least 15 minutes, and seek for medical attention.   |
| Inhalation     | : Remove victim from area of exposure.  |
| Ingestion      | : If swallowed, DO NOT induce vomiting. Consult a physician if necessary.   |
| Medical Advice | : Symptomatic treatment.  |

## 4. 急救措施

|      |   |
|------|---|
| 皮肤接触 | : 脱掉污染衣服, 使用肥皂和水清洗受感染部位。若症状持续发展则需就医。          |
| 眼睛接触 | : 万一接触到眼睛, 立即用大量清水冲洗并遵循医嘱。                    |
| 吸入   | : 立即从受污染区域转移至空气新鲜处。若症状持续发展则需就医。               |
| 摄取   | : 如若患者处于半昏迷或无意识状态, 不应通过口腔给予帮助。立即用清水洗净口腔。立即就医。 |
| 医学建议 | : 对症治疗。                                       |

## 5. Fire-Fighting Measures

|                            |  |
|----------------------------|--|
| Flammability               | : Do not burn.   |
| Extinguishing Media        | : Foam, carbon dioxide, dry chemical or water fog.   |
| Fire and Explosion Hazards | : This product is free of fire and explosion hazards.  |
| Fire Fighting Equipment    | : In any fire environment, wearing self-contained positive pressure respirator, and wear a full set of protective equipment. |

## 5. 消防措施

|         |                                    |
|---------|------------------------------------|
| 易燃性     | : 不燃烧                              |
| 灭火介质    | : 用适于周围环境的介质来灭火。                   |
| 火灾及爆炸危害 | : 本品无火灾以及爆炸危害。                     |
| 消防装备    | : 在任何火灾环境下, 佩戴自给式正压呼吸器, 并穿戴全套防护装备。 |

**Ionpaint™ EcoSeal 05i****6. Leakage Emergency Treatment**

|                                   |   |
|-----------------------------------|---|
| Emergency Action                  | : To ensure smooth ventilation at the scene, place the large volume of over spilt in the container and discard at the appropriate scene, and clean with water when the spilt volume is less.  |
| Emergency Personnel Protection    | : To wear personal protective clothing, protective glasses and anti-virus masks.  |
| Environmental Protection Measures | : To absorb with dry sand, soil and other non-combustible, and then recover;<br>② Surround the leakage with mould to prevent the outflow of a large volume of leakage; and<br>③ Retrieve the leakage with a container and seal it, before placing to an appropriate occasion. |
| Removal Method                    | : Can be washed with water, but not directly discharge into the sewers or rivers.   |

**6. 泄露应急处理**

|        |  |
|--------|--|
| 应急行动   | : 保证现场通风顺畅, 溢出物多时收集于容器中, 置于适当场合待丢弃, 量少时用清水洗净。                                |
| 应急人员防护 | : 需穿戴个人防护服, 防护眼镜及防毒口罩。   |
| 环保措施   | : ①用干黄沙, 土及其他不燃物来吸收, 然后再回收;<br>②大量泄漏流出时用土堆高围起来防止流出;<br>③漏物用容器回收并密封, 放到安全的场所。 |
| 清除方法   | : 可用清水洗净, 但不可将污水直接排入下水道及河流。  |

**7. Handling and Storage**

|                      |   |
|----------------------|---|
| Handling Precautions | : Wash thoroughly after using. Use adequate ventilation when using. Avoid contact with eyes, skin and clothing. Store in a closed container. Avoid ingestion and inhalation.  |
| Storage Precautions  | : Store in a closed container. Keep away from where children can reach. Store in a cool, dry, well-ventilated place and avoid incompatible materials. Regular check for deficiencies, such as destruction or leakage. Place a suitable fire extinguish in or nearby the storage area. |

**7. 操作处置和储存**

|        |   |
|--------|---|
| 操作注意事项 | : 操作后彻底冲洗。使用时注意足够的通风。避免与眼睛, 皮肤以及衣物接触。保存在密闭容器内。避免摄取以及吸入。                                   |
| 储存注意事项 | : 存放于密闭容器中请远离孩子可接触到的地方。存放于阴凉、干燥、通风良好的地方且避免不相容物质的地方。定期检查不足处, 例如: 毁坏或者渗漏。在储存区域或其附近放置合适的灭火器。 |

**8. Exposure Controls**

|                        |  |
|------------------------|--|
| Engineering control    | : Provide adequate ventilation to keep the air concentration below the exposure limit. Storage and use of this product should be equipped with a eyewash device and a safe shower equipment. |
| Respiratory protection | : In most cases, no respiratory protection equipment is required; however, in case of fire, a safe gas masks are required.   |
| Skin protection        | : Use anti-penetration gloves.   |
| Eye protection         | : Wear suitable protective glasses or goggles.   |

**Ionpaint™ EcoSeal 05i****8. 防护措施**

工程控制 : 提供充足的通风以保持空气中浓度低于暴露限制。储存以及使用本品的场所应该配备一个洗眼装置以及安全的淋浴装置。

呼吸防护 : 多数情况下无需呼吸防护装备；然而，一旦遇火，则需使用安全的防毒面罩。

皮肤防护 : 使用防渗透手套。

眼睛防护 : 佩戴合适的防护眼镜或护目镜。

**9. Physical and Chemical Substances**

Physical State : Liquid

Odour : Mild Odour

Solubility : Complete soluble in water.

Specific Gravity (H2O) : 1.48 - 1.53

Evaporation Rate : Slower than Butyl Acetate.

Vapour Density : Heavier than air.

**9. 理化特性**

外观 : 分散均匀、无沉淀的粘稠状液体。

气味 : 轻微涂料味

溶解性 : 完全溶于水

密度 : 1.48 - 1.53

蒸发速率 : 比乙酸丁酯慢。

蒸汽密度 : 比空气重。

**10. Stability and Reactivity**

Chemical Stability : Stable under normal conditions of storage and use.

Conditions to Avoid : Avoid excessive temperatures, poor ventilation and corrosive environment.

Hazardous Decomposition Products : Oxides of carbon

**10. 稳定性和反应性**

稳定性 : 在推荐的环境温度下储存和使用，本产品稳定。

应避免的条件 : 避免高温、通风不良、腐蚀性环境。

危险的分解产物 : 碳氧化物

**11. Toxicology Information**

No adverse health effect is expected if the product is handled in accordance with this Safety Data Sheet. Symptoms or effects, that may arise if the product is mishandled and overexposure occurs, are:

Inhalation : Cause headache, nausea and irritation of nose, throat and lungs in poorly ventilated areas.

Eye contact : Cause moderate eye irritation. Symptoms may include tearing, redness and stinging sensation.

Skin contact : Cause mild irritation. Degreasing action on the skin. Repeated or prolonged contact may lead to dermatitis.

Ingestion : Result in nausea, vomiting, diarrhea and gastrointestinal irritation.

**Ionpaint™ EcoSeal 05i****11. 毒理学信息**

如果产品按照本安全数据表进行处理，则不会对健康产生不良影响。如果产品误操作和过度暴露，可能会出现症状或效果如下：

吸入危害 : 在通风不良的地方，会引起头痛，恶心和刺激鼻子，喉咙和肺部。  
眼睛刺激 : 引起中度眼睛刺激。症状可能包括撕裂，发红和刺痛的感觉。  
皮肤过敏 : 引起轻度刺激。皮肤脱脂。反复或长时间接触可能会导致皮炎。  
摄入危害 : 导致恶心、呕吐、腹泻和胃肠道刺激。

**12. Ecological Information**

Avoid contaminating waterways.

**12. 生态学信息**

避免污染水道。

**13. Disposal Considerations**

Wasted Chemicals : Recycle as much as possible. If not recyclable, send to the qualified waste management company for processing. Do not discharge into sewers, rivers or soils.  
Contaminated Packing : Dispose the container to a qualified waste disposal company.  
Others : Kindly refer to disposal regulations prior to disposal to comply with local and national regulations.

**13. 废弃处置**

废弃化学品 : 尽可能回收利用。如果不能回收利用，交予有资质的废弃物管理公司处理。  
禁止排入下水道、河流或土壤。  
污染包装物 : 将容器送到有资质许可的废弃物处理公司处理。  
其它 : 废弃处置前应参阅相关法规以符合当地和国家的法规。

**14. Transport Information**

DOT : Not regulated.  
ICAO / IATA : Not regulated.  
IMDG / IMO : Not regulated.  
Standard Packaging : 5L, 18L pail packaging  
Transport Cautions : Do not mix with oxidants, edible chemicals and other mixed transport. Loading and unloading with care to prevent damage to packaging and containers.

**14. 运输信息**

联合国运输名称 : 无  
国际航空运输协会 : 无  
国际海运危险品法规/国际海事组织 : 无  
标准包装 : 5公升, 18公升 桶包装  
运输要注 : 严禁与氧化剂、食用化学品等混装混运。 轻装轻卸, 防止包装及容器损坏。

**Ionpaint™ EcoSeal 05i****15. Regulatory Information**

|                  |          |   |
|------------------|----------|---|
| Hazard Category  | : Xn     | Harmful   |
|                  | Xi       | Irritant  |
| Risk Phrase(s)   | : R20/21 | Harmful by inhalation and in contact with skin. |
|                  | R38      | Irritation to skin.                             |
| Safety Phrase(s) | : S23    | Do not breath vapour / mist / aerosol.          |
|                  | S24/25   | Avoid contact with skin and eyes.               |
|                  | S29      | Do not empty into drains.                       |

**15. 法规信息**

|      |          |                   |
|------|----------|-------------------|
| 危害类别 | : Xn     | 有害                |
|      | Xi       | 刺激性               |
| 风险类别 | : R20/21 | 吸入和皮肤接触有害         |
|      | R38      | 刺激皮肤              |
| 安全类别 | : S23    | 不要吸入蒸气 / 雾气 / 气溶胶 |
|      | S24/25   | 避免接触皮肤和眼睛         |
|      | S29      | 勿排入沟渠             |

**16. Other Information**

The above information is based on current formulation and information available at this time. Since conditions of use are beyond our control, we make no warranties, expressed or implied, and assume no responsibility or liability in connection with any use of this information.

**16. 其它信息**

该物质而造成的人身伤害或财产损失不承担任何责任，买方或用户应对使用该物质可能带来的后果负责。