

1. IDENTIFICATION OF PREPARATION

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|---|---|--|
| Product Code and Names: | | |
| 61212 - Siltop | 61219 - Silshield | |
| Chemical Name: | Mixture of acrylic/ vinyl emulsions, pigments, mineral fillers and additives. | |
| CAS Number: | Blend | |
| Identification of Company: | | |
| <p>CHINA: Terraco Architectural Coatings China Co., Ltd. Tel: +86 (0)20 8759 4742 Fax: +86 (0)20 8526 8056 E-mail: sales@terraco.com.cn Web: www.terraco.com.cn</p> <p>Terraco Chemical (Shanghai) Co., Ltd. Tel: +86 (0)21 621020 48 / 18 Fax: +86 (0)21 625205 47 Email: sales@terraco.com.cn Web: www.terraco.com.cn</p> <p>EGYPT: Terraco Egypt Chemical Industries S.A.E. Tel: +20 (0)22 29184 53 / 57 / 58 Fax: +20 (0)22 29184 80 E-mail: terraco@terraco.com.eg Web: www.terraco.com.eg</p> <p>JORDAN: Jordan Swedish Polymers Industrial Corp. Tel: +962 (0)6 553 8751 Fax: +962 (0)6 553 6560 E-mail: terraco@nol.com.jo Web: www.terraco.jo</p> <p>IRELAND: Terraco Technical Centre, Ireland Tel: +353 (0) 404 66555 Fax: +353 (0) 404 66654 E-mail: technical-centre@terraco.com Web: www.terraco.com</p> | <p>PAKISTAN: Terraco Pakistan Pvt. Ltd. Tel: +92 (0)42 3529 70 56-8 Fax: +92 (0)42 3529 70 55 Email: terraco@terraco.pk Web: www.terraco.com</p> <p>ROMANIA: Terraco Romania SRL Tel: +40 (0)749 203 133 Fax: +40 (0)318 148 810 E-mail: ahaque@terraco.com Web: www.terraco.com</p> <p>RUSSIA: OOO Terraco Sweden Ltd, Russia Tel: +7 (0)495 9212 237 Fax: +7 (0)495 6273 881 E-mail: adm@terraco.ru Web: www.terraco.ru</p> <p>OOO Terraco Vostok Ltd Tel: +7 (0)4212 410563 Fax: +7 (0)4212 410591 E-mail: terracovostok@terraco.khn.ru Web: www.terraco.com</p> <p>SOUTH KOREA: Terraco Korea Co., Ltd Tel: +82 (0) 2 5611 551 Fax: +82 (0)2 5671 771 E-mail: terraco@terraco.co.kr Web: www.terraco.co.kr</p> | <p>THAILAND: Terraco Industry (Thailand) Limited Tel: +66 (0)2 946 68 56 / 58 Fax: +66 (0)2 946 68 59 E-mail: terraco@terraco.co.th Web: www.terraco.com</p> <p>TURKEY: Terraco Yapi Malzemeleri Sanayi Ve Ticaret AS Tel: +90 (0)222 236 0423 Fax: +90 (0)222 236 0425 E-mail: terraco@terraco.com.tr Web: www.terraco.com.tr</p> <p>UAE: Terraco UAE Ltd Tel: +971 (0)4 326 2699 Fax: +971 (0)4 326 2733 E-mail: terraco@terraco.ae Web: www.terraco.com</p> <p>UK: ADDAGRIP Tel: +44 (0)1825 761 333 Fax: +44 (0)1825 768 566 E-mail: sales@addagrip.co.uk Web: www.addagrip.co.uk / www.terraco.com</p> <p>VIETNAM: Terraco Vietnam Co., Ltd Tel: +84 (0)650 3 820 100 Fax: +84 (0)650 3 820101 E-mail: terraco@terraco.com.vn Web: www.terraco.com</p> |

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | Amount | CAS Number |
|-------------------------------|--------|-------------|
| Water: | >25.0% | 7732-18-5 |
| Acrylic/Vinyl Polymer: | <25.0% | Proprietary |
| Calcium Carbonate: | <50.0% | 1317-65-3 |
| Titanium Dioxide: | <25.0% | 13463-67-7 |
| China Clay: | <15.0% | 1332-58-7 |

3. HAZARDS IDENTIFICATION

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| Not classified as dangerous for supply. Avoid inhalation of dust during mixing. | |
| Potential Health Effects | |
| Eye | Contact may cause irritation. |
| Skin | Prolonged contact may dry the skin resulting in irritation and dermatitis. |
| Inhalation | Avoid inhalation if product atomised during application, may cause respiratory tract irritation. |
| Ingestion | Ingestion is not considered a potential route of exposure. |

4. FIRST AID MEASURES

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| General | In all cases of doubt or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. |
| Eye Contact | Flush eye with water for 15 minutes, holding eye lids apart. Get medical attention if irritation develops. |
| Skin Contact | Remove contaminated clothing. Wash skin with soap and water or a proprietary skin cleaner. |
| Inhalation | If exposed to excess levels of dust remove to fresh air. |
| Ingestion | If accidentally swallowed, obtain immediate medical attention. Show this safety data sheet. Do not induce vomiting. If conscious give milk or water to drink. |

5. FIRE FIGHTING MEASURES

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| Flammable Properties | C.O.C. Flash Point: | None |
| | T.C.C. Flash Point: | None |
| | Auto ignition temperature: | None |
| Flammable Limits In Air | L.E.L. | None |
| | U.E.L. | None |
| Extinguishing Media | Recommended: Alcohol resistant foam, CO2, Powder, Water spray mist. | |
| Fire and Explosion Hazards | <p>During a fire, acrylic monomers may be generated at elevated temperatures.</p> <p>If engulfed by ongoing fire do not allow fire fighting run off to enter drains or watercourses.</p> <p>As in any fire wear self-contained breathing apparatus, pressure demand MSHA/NIOSH (approved or equivalent) and full protective gear.</p> | |

6. ACCIDENTAL RELEASE MEASURES

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| Safeguards (Personnel) | Exclude all non-essential personnel. Wear appropriate personal protective equipment. |
| Initial Containment | <p>Absorb spills with inert material, allow to solidify and scrape up. Do not allow to enter drains or watercourses, clean preferably with a detergent. Do not use solvents.</p> <p>If the product accidentally enters, rivers, lakes, drains or sewers, the Local Authority should be contacted immediately.</p> |

7. HANDLING AND STORAGE

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| General | Smoking, Eating and Drinking should be prohibited in areas of storage or use. Never use pressure to empty the container. Good housekeeping and regular safe removal of waste materials are recommended. |
| Recommended Storage Temperature | Minimum: 5C (41F) Maximum: 35C (95F) |
| Shelf Life | 12 months in original sealed containers. |
| Storage Precautions | Avoid extremes of temperature. Keep out of reach of children. Store separately from Oxidising Agents, and strongly acidic or alkaline materials. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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| Exposure Limits | No information presently available. |
| Engineering Controls | If user operations generate dust, fumes or mist, use local exhaust ventilation and good general extraction. |
| Personal Protection | |
| Respiratory Protection | Should not be necessary under normal conditions of use. However suitable respiratory protective equipment should be worn during spray application. |
| Skin Protection | For brief contact normal work attire should be sufficient. For anticipated prolonged contact, barrier creams should be applied before work is commenced. Suitable gloves should be worn. |
| Eye Protection | Splashes in eyes may cause irritation; it is recommended that goggles designed to protect against liquid splashes should be worn. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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|-----------------------------------|------------------------|
| Form | Medium viscosity paste |
| Odour | Slight acrylic odour |
| Boiling Point | 100 C |
| Solubility In Water | Dispersible |
| Specific Gravity | 1.15-1.55 (Water =1) |
| pH | 8-9 |
| Volatile Organic Compounds | < 150 gm./ lt. |

10. STABILITY AND REACTIVITY

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| Stability | Stable. |
| Polymerisation | Product will not undergo polymerisation. |
| Incompatibility With Other Material | Incompatible with oxidising agents and strongly acidic and alkaline materials. |
| Decomposition | May produce acrylic monomers and oxides of carbon on decomposition. |

11. TOXICOLOGICAL INFORMATION

There is no data available on the products themselves.

Repeated or prolonged contact may lead to removal of natural fats from the skin, resulting in non-allergic dermatitis and absorption through the skin.

The products contain small amounts of biocides, not present in quantities sufficient to induce sensitisation by skin contact, but which could elicit an allergic reaction in an already sensitised person.

Splashes in eyes may cause irritation and reversible local damage.

Ingestion may result in sore throat, abdominal pain or nausea.

12. ECOLOGICAL INFORMATION

There is no data available on the products themselves. They should not be allowed to enter drains or watercourses.

13. DISPOSAL CONSIDERATIONS

Do not allow to enter drains and watercourses or anywhere that may affect ground or surface waters. Wastes including emptied containers should be disposed of in accordance with the regulations of the Local Authority.

14. TRANSPORT INFORMATION

To transport within the user's premises, always use closed containers that are secure and upright. Ensure that operational personnel know what to do in event of spillage.

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| D.O.T. SHIPPING NAME: | Not Applicable |
| D.O.T. HAZARD CLASS: | Non-Hazardous |

15. REGULATORY INFORMATION

The products are determined as not being dangerous for supply according to current Chemicals Hazard Information and Packing Regulations in force.

The information contained in this Material Safety Data Sheet, does not substitute the user's own responsibility to carry out an assessment of work place risks as may be required by Health and Safety Legislation.

16. OTHER INFORMATION

The products should not be used for purposes other than those shown on the manufacturer's product labels and technical data sheets. As the specific conditions of use are outside the supplier's control; the user is responsible for ensuring compliance with the relevant legislation in the territory of use.

The information contained in this Material Safety Data Sheet, is based on the current state of knowledge and current state of Legislation. It provides guidance on Health Safety and Environmental aspects of the products, and should not be taken as a guarantee of technical performance or suitability for particular applications.

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| Approved by: | J. Carey - Group Technical Director. |
| Approval date: | 04/11/2011 |
| Supersedes: | 12/07/2010 |
| Number: | MSDS No. 1012 |

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