



MATERIAL SAFETY DATA SHEET

<p><b>1. Company Identification</b></p> <p>Name Address  Tel Fax Email Website</p>	<p>: <b>Paling Industries Sdn Bhd</b>  <b>: Lot 12, Jalan Perusahaan Empat, 68100 Batu Caves, Selangor, Malaysia</b>  <b>: (603) 61896389</b>  <b>: (603) 61883810</b>  <b>: chuiyen.cheah@paling.com.my</b>  <b>: <a href="http://www.paling.com.my">www.paling.com.my</a></b></p>															
<p><b>2. Product Identification</b></p> <p>Name Type  Shipping Name Packing/Carton Size</p>	<p>: 'Paling' Extra PVC Solvent Cement          : No.70 (Fast Dry)          : No.10 (Slow Dry)          : PVC Solvent Cement          : As per below table</p> <table border="1" data-bbox="646 800 1430 972"> <thead> <tr> <th>Packing</th> <th>Carton Size</th> </tr> </thead> <tbody> <tr> <td>3kg x 8tins per carton</td> <td>440mm x 360mm x 260mm</td> </tr> <tr> <td>500g (with brush) x 20tins per carton</td> <td>508mm x 220mm x 225mm</td> </tr> <tr> <td>100g (with brush) x 60tins per carton</td> <td>508mm x 220mm x 225mm</td> </tr> <tr> <td>14g x 240tubes per carton</td> <td>508mm x 220mm x 225mm</td> </tr> </tbody> </table>	Packing	Carton Size	3kg x 8tins per carton	440mm x 360mm x 260mm	500g (with brush) x 20tins per carton	508mm x 220mm x 225mm	100g (with brush) x 60tins per carton	508mm x 220mm x 225mm	14g x 240tubes per carton	508mm x 220mm x 225mm					
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<p>Standard UN Number DG Class Product Use Appearance  Flash Point Solubility Ingredients</p>	<p>: Complies to MS628 Part II 2.2 or BS4346 Part II          : 1133          : 3.2          : A solvent based adhesive for PVC pipe and fittings          : No.70 (Fast Dry) – Thin and clear liquid with moderate solvent odor          No.10 (Slow Dry) – Thick and clear liquid with moderate solvent odor</p> <p>: 0-5°F (-15°C) PMCC          : Insoluble          : As per below table</p> <table border="1" data-bbox="646 1314 1455 1488"> <thead> <tr> <th>Ingredients</th> <th>CAS No</th> <th>Volume (%)</th> </tr> </thead> <tbody> <tr> <td>PVC Resin</td> <td>9003-22-9</td> <td>24%</td> </tr> <tr> <td>Cyclohexanone (CYC)</td> <td>108-94-1</td> <td>30%</td> </tr> <tr> <td>Methy1 Isobuty1 Ketone (MIBK)</td> <td>108-10-1</td> <td>20%</td> </tr> <tr> <td>Methy1 Ethy1 Ketone (MEK)</td> <td>78-93-3</td> <td>26%</td> </tr> </tbody> </table>	Ingredients	CAS No	Volume (%)	PVC Resin	9003-22-9	24%	Cyclohexanone (CYC)	108-94-1	30%	Methy1 Isobuty1 Ketone (MIBK)	108-10-1	20%	Methy1 Ethy1 Ketone (MEK)	78-93-3	26%
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<p><b>3. Hazard Identification</b></p> <p>Swallow Eye Skin  Inhaled</p>	<p>: May cause harmful if swallowed          : Contact with eye may cause irritation and will get eye tissue injured.          : Would not cause any harmful effect if contacted with mildness as a small piece of transparent layer effects of dryness from solvent can be peel off just in a second. However, it may cause irritation and lead to dermatitis if contact repeatedly.          : Repeated or prolonged inhalation may cause irritation, headache, dizziness and harmful to the nervous system.</p>															



<p><b>4. First Aid Measures</b></p> <p>After Swallowing</p> <p>After skin contact</p> <p>After eye contact</p> <p>After inhalation</p>	<p>: Do not induce vomiting, call for medical help immediately.</p> <p>: Generally the product does not irritate the skin.</p> <p>: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.</p> <p>: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.</p>
<p><b>5. Fire-fighting Measures</b></p> <p>Suitable extinguishing agent</p> <p>For safety reason unsuitable extinguishing agents</p> <p>Protective Equipment</p> <p>Additional Information</p>	<p>: Water haze</p> <p>: Alcohol resistant foam</p> <p>: Fire-extinguishing powder</p> <p>: Carbon dioxide</p> <p>: Water with full jet</p> <p>: Mount respiratory protective device</p> <p>: Cool endangered receptacles with water spray.</p> <p>: Collect contaminated fire fighting water separately. It must not enter the sewage system.</p>
<p><b>6. Accidental Release Measures</b></p> <p>Person-related safety precautions</p> <p>Measures for environment protection</p> <p>Measures for Cleaning/Collecting</p>	<p>: Wear protective equipment. Keep unprotected persons away</p> <p>: Prevent seepage into sewage system, workplace and cellars. Do not allow to enter sewers/surface or ground water.</p> <p>: Absorb with liquid-binding materials (sand, diatomite, acid binders, universal binders, sawdust)</p> <p>: Dispose contaminated materials as waste according to item 13. Ensure adequate ventilation.</p>
<p><b>7. Handling and Storage</b></p> <p>Information for safe handling</p> <p>Information about fire and explosion protection</p> <p><b>Storage:</b> Requirement to be met by Storerooms and receptacles</p> <p>Information about storage in One common storage facility</p>	<p>: Ensure good ventilation/exhaustion at the workplace.</p> <p>: Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air)</p> <p>: Keep ignition sources away. Do not smoke. Protect against electrostatic charges.</p> <p>: Store in a cool location.</p> <p>: Not Required.</p>



<p>Further information about Storage conditions</p>	<p>: Keep receptacle tightly sealed. : Store in cool, dry conditions in well sealed receptacles.</p>
<p><b>8. Exposure Controls/Personal Protection</b> Ingredients with limit values that required monitoring at the workplace:</p> <p>General protective and hygienic measures</p> <p>Respiratory Protection</p> <p>Protection of hands</p> <p>Material of gloves</p> <p>Penetration time of glove material</p> <p>For the permanent contact of a Maximum of 15 minutes gloves made of the following materials are suitable</p> <p>Eye Protection</p> <p>Body Protection</p>	<p><b>Additional information about design of technical facilities: No further data; see item 7.</b></p> <p>Cyclohexanone (CYC) Operating – Short-term value 20ppm Long-term value 10ppm</p> <p>Methyl Isobuty Ketone (MIBK) Methyl Ethyl Ketone (MEK) Opening – Short-term 899mg/m3 300ppm Long-term 600mg/m3 200ppm</p> <p>: The usual precautionary measures are to be adhered to when handling chemicals. : Keep away from foodstuffs, beverages and feed. : Immediately remove all soiled and contaminated clothing. : Wash hands before breaks and at the end of work. : Avoid contact with eyes and skin.</p> <p>: In case of brief exposure or low pollution use respiratory filter device.</p> <p>: In case of intensive or longer exposure use self-contained respiratory protective device. Suitable respiratory protective device recommended.</p> <p>: Solvent Resistant gloves : The glove material has to be impermeable and resistant to the product/The substance/the preparation. : Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the mixture. : Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.</p> <p>: The selection of the suitable gloves does not only depend on the material, But also on further marks of quality and varies from manufacturer to Manufacturer. As the product is a preparation of several substances, the Resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</p> <p>: The exact break trough time has to find out by the manufacturer of the Protective gloves and has to be observed.</p> <p>: Leather or PE gloves</p> <p>: Tightly sealed goggles</p> <p>: Solvent resistant protective clothing</p>



<p><b>9. Physical and Chemical Properties</b></p> <p>General Information</p> <p>Form : Fluid</p> <p>Colour : According to product specification</p> <p>Odour : Characteristic</p> <p>Value / Range Unit Method Change in condition Melting point / Melting range : Undertermined</p> <p>Boiling point/Boiling range : 65 C</p> <p>Flash point : &lt; 0 C</p> <p>Ignition Temperature : 230 C</p> <p>Dander of Explosion : Product is not explosive. However, formation of explosive air / vapour Mixtures are possible.</p> <p>Explosion Limits:</p> <p>Lower : 1.3 Vol %</p> <p>Upper : 12.0 Vol %</p> <p>Vapour Pressue : at 20 C 200hpa</p> <p>Density : at 20 C 0.99000g/cm</p> <p>Solubility in / Miscibility with water : Not miscible or difficult to mix.</p> <p>Viscosity Dinamic : At 20 C 9,000cps (such condition will return to normal, 1,000cps between 30 C – 40 C after 1 hour)</p> <p>Solid content : 24%</p>	
<p><b>10. Stability and Reactivity</b></p> <p>Thermal Decomposition / Conditions to be avoided : No decomposition if used according to specifications</p> <p>Dangerous Reactions : No dangerous reaction known.</p> <p>Dangerous Decomposition Products : Danger of forming toxic pyrolysis products.</p>	
<p><b>11. Toxicology Information</b></p> <p>Acute Toxicity</p> <p>Primary irritant effect:</p> <p>On the skin : No irritant effect</p> <p>On the eye : Irritating effect</p> <p>Sensitization : No sensitizing effect</p>	
<p><b>12. Ecological information</b></p> <p>General Notes : Water hazard class 1 (German Regulation) (Self-assessment):</p> <p>: Slightly hazardous for water</p> <p>: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.</p>	



<p><b>13. Disposal Considerations</b> Product Recommendation</p> <p>Unexhausted Packaging Recommendation</p>	<p>: Must not be disposed together with household garbage. Do not allow Product to reach sewage system.</p> <p>: Disposal must be made according to official regulations. : Packagings that may not be fully utilized are to be disposed of in the same Manner as the product.</p>
<p><b>14. Storage and Transport</b></p>	
<p>Store in well-ventilated area and keep away from heat, sparks, flame or any other sources of ignition. Secondly, to ensure that the container are always kept closed with the plastic inserted and cap given when not in use. Since this solvent cement material classified as highly flammable material (Class 3.2), hence the recommended ways of transport shall be by road, rail or sea. However, the compliance of each country safety rules and regulations on transporting highly flammable material should not be neglected.</p>	
<p><b>15. Regulatory Information</b> Code letter and hazard designation of  Risk Phrases  Safety phrases</p>	<p>: Highly Flammable</p> <p>: Irritating to eyes and respiratory system</p> <p>: Keep container in a well-ventilated place. : Keep away from sources of ignition – No Smoking. : Avoid contact with eyes. : In case of contact with eyes, rinse immediately with plenty of water and Seek medical advise.</p> <p>: If swallowed, seek medical advise immediately and show this container or Label.</p> <p>: Use only in well-ventilated areas.</p>
<p><b>16. Other Informations</b></p>	
<p>THIS INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATION AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS TO THE BEST OF <b>PALING INDUSTRIES SDN BHD</b>. KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE INDICATED. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO ITS ACCURACY, RELIABILITY AND COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUSTAINABILITY AND COMPLETENESS OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.</p>	

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