safety data sheet

# primathon coating I

| 1. Identification of Product | |
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| Product code: | HTP0040-0049 |
| Intended use: | High build Zinc Phosphate anti-corrosive primer. |

| 2. Hazards Identification | |
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| Main Hazards | Flammable. Harmful by inhalation, or in contact with skin. Irritating to the skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

| 3. Composition Information on Ingredients | | | | |
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| 67/548/EEC/1999/45/EC | | | | |
| Chemical name | CAS no. | EINECS no. | Conc. (%) | Classification |
| Xylenes | 1330-20-7 | 215-535-7 | >40 <50 | R10 Xn; R20/21 Xi; R38 |

| 4. First Aid Measures | |
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| General: | In all cases of doubt or when symptoms persist seek medical attention.<br>Never give anything by mouth to an unconscious person. |
| Inhalation: | Remove to fresh air, keep the patient warm and at rest.<br>If breathing has stopped administer artificial respiration.<br>Give nothing by mouth. If unconscious place in recovery position and seek medical advice. |
| Eye contact: | Remove contact lenses. Irrigate copiously with clean, fresh water for at least 10 minutes holding the eyelids apart. Seek medical advice. |
| Skin contact: | Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleanser. Do NOT use solvents or thinners. Get medical attention if irritation persists after washing. |
| Ingestion: | If accidentally swallowed obtain immediate medical attention. Keep at rest.<br>Do NOT induce vomiting. |

| 5. Fire Fighting Measures | |
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| Extinguishing media recommended: | Alcohol Resistant Foam, Carbon Dioxide, Powder, Water Spray/Mist. |
| Exposure hazards: | Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Exposure to decomposition products may be a hazard to health. Appropriate self contained breathing apparatus may be required. Cool closed containers exposed to fire with a water spray. Do not allow run off from fire fighting to enter drains or water courses. |

| 6. Accidental Release Measures | |
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| Personal precautions: | Refer to section 8 of SDS for personal protection details. Exclude sources of ignition and ventilate area. Exclude non-essential personnel. Avoid breathing vapours. |
| Environmental precautions: | Do not discharge into drains or rivers. Contain the spillage using non-combustible absorbent materials. |
| Clean-up procedures: | Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomose earth and place in a suitable container for disposal in accordance with waste regulations (see Section 13). Do not allow to enter drains or water courses. Clean preferably with a detergent, avoid use of solvents. If the product enters drains or sewers, immediately contact the local water company; in case of contamination of streams, rivers or lakes the relevant environment agency. |

| 7. Handling and Storage | |
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| Handling: | Vapours are heavier than air and may spread along floors. Vapours may form explosive concentrations of vapour in air, and avoid vapour concentrations higher than the occupational exposure limits.<br><br>In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.<br><br>To dissipate static electricity during transfer, earth drum and connect to receiving container with bonding strap. Operators should wear anti-static footwear and clothing and floors should be of the conducting type.<br><br>Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used.<br><br>Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates and spray mist arising from the application of this preparation. Avoid inhalation of dust from sanding.<br><br>Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.<br><br>Put on appropriate personal protective equipment (see section 8).<br><br>Never use pressure to empty: container is not a pressure vessel. Always keep in containers of same material as the original one.<br><br>Comply with the health & safety at work laws.<br><br>When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. |
| Storage: | Store in accordance with local regulations. Observe label precautions. Store in a cool, well-ventilated area away from incompatible materials and ignition sources.<br><br>Keep away from: Oxidising agents, strong alkalies, strong acids.<br><br>No smoking.<br><br>Prevent unauthorised access.<br><br>Containers which are opened must be carefully resealed and kept upright to prevent leakage.<br><br>Do not empty into drains. |

| 8. Exposure controls/personal protection | | | | | |
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| Engineering measures: | Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of solvent vapours and/or particulates below relevant workplace exposure limit values, suitable respiratory protective equipment should be worn (see Occupational Exposure Controls below). | | | | |
| Exposure Limit Values: Substance: | TWA (1) | | STEL (2) | | Notations (3) |
| | ppm (4) | mg/m$^3$ (4) | ppm (4) | mg/m$^3$ (4) | |
| Xylenes | 50 | 220 | 100 | 441 | WEL, SK, BMGV |

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| Notes: | (1) Long Term Exposure Limit – 8 hour time weighted average.<br>(2) Short Term Exposure Limit – 15 minute reference period.<br>(3) 'SK' indicates a risk of absorption through skin. 'SEN' indicate a respiratory sensitizer. 'BMGV' indicates a Biological Monitoring Guidance Value.<br>(4) 'WEL' indicates a Workplace Exposure Limit.<br>WEL's are from the current version of EH40, except where marked 'SUP' which are assigned by the supplier of the substance. |
| General Protection: | All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH regulations. |
| Respiratory Protection: | Air fed respiratory protective equipment should be worn when sprayed if exposure of the sprayer or other people nearby cannot be controlled to below the Workplace Exposure Limit Values and engineering methods cannot reasonably be improved. |
| Hand Protection: | When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Barrier creams my help to protect exposed areas of skin, but are not substitutes for full physical protection. They should not be applied after exposure has occurred. |
| Eye Protection: | Eye protection designed to protect against liquid splashes should be worn. |
| Skin Protection: | Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner. Regular inspection of users of this product is recommended. ALWAYS WASH YOUR HANDS BEFORE EATING, SMOKING OR USING THE TOILET. |

| 9. Physical and Chemical Properties | | | |
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| Physical State: | Viscous liquid | | |
| Flash Point: | 21°C | METHOD: | Abel Apparatus to BS2000 Part 170 |
| Viscosity: | 1.5 – 2.5 Poise | METHOD: | BS3900 Part A7-1 |
| Specific Gravity: | 1.25 – 1.40 kg/litre | METHOD: | BS3900 Part A19 |
| VOC Content: | 415 gms/litre | | |
| Vapour Density: | Heavier than air | | |
| Lower Explosion Limit: | 1.1% Vol. | | |
| Solubility in water: | Immiscible. | | |

| 10. Stability and Reactivity | |
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| Stability: | Stable under the recommended storage and handling conditions (see Section 7). |
| Materials to avoid: | Keep away from oxidising agents and strongly alkaline and strongly acid materials to prevent the possibility of exothermic reaction. |
| Haz. decomp. products: | In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, and oxides of nitrogen may be produced. |

## 11. Toxicological Information

There is no data available on the product itself. The product has been assessed following the conventional method in CHIP and is classified for toxicological hazards accordingly. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. See Sections 3 and 15 for details of the resulting hazard classification. Exposure to organic solvent vapours in excess of the stated workplace exposure limit values may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on kidney, liver and central nervous systems. Symptoms and signs include headache, dizziness, fatigue muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Splashes in the eyes may cause irritation and reversible local damage. Repeated or prolonged contact with the product may cause removal of natural fats from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. Where the label shows 'contains lead chromate' the following is relevant. Increased incidences of lung cancer have been identified in the chromate pigment manufacturing industry. Epidemiological studies have shown that where lead chromates alone were manufactured there were no cancer excesses. Animal studies have shown that some insoluble chromates are carcinogenic but the data does not extend to lead chromate pigments. There is no evidence of a risk of lung cancer arising from the use of lead chromate containing products. Epidemiological data shows an association between elevated maternal blood lead levels and developmental effects in the offspring. Following the introduction of the criteria for Toxic to Reproduction hazard classification the EC has classified all lead compounds as causing developmental toxicity in humans. Lead chromate, although of relatively low solubility and bioavailability, is included in this classification.

## 12. Ecological Information

There is no data available on the product itself. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters. LAPC requirements of regulations made under the Environmental Protection Act may apply to the use of this product. The product has been assessed following the conventional method in CHIP and is not classified as dangerous for the environment.

## 13. Disposal Considerations

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this safety data sheet, advice should be obtained from the relevant environment agency whether the Special Waste Regulations apply.

## 14. Transport Information

Transport within the user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of accident or spillage.

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| Proper Shipping Name: | Paint Related Material |
| UN Number: | UN 1263 |
| Hazard ID No: | 33 |
| Packing Group: | III |
| Marine Pollutant: (IMDG only) (Y/N): | No. Yes if the product contains lead chromate. |
| Emergency Schedule no (IMDG only): | 3-05 |
| Flashpoint (IMDG only): | 26°C |

## 15. Regulatory Information

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| Hazard symbols: | Harmful.<br>  |
| Haz. ingredients (label): | XYLENES |
| Risk Phrases: | R10: Flammable.<br>R20/21: Harmful by inhalation and in contact with skin.<br>R38: Irritating to skin.<br>R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

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| Safety Phrases: | S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.<br>S60: This material and its container must be disposed of as hazardous waste.<br>S61: Avoid release to the environment. Refer to special instructions / safety data sheets. |
| "P" Phrases: | Do not breath vapour or spray. |
| The information contained in this Safety Data Sheet does not constitute the user's own assessment of the workplace risks, as required by other health and safety legislation. The provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work. | |

| 16. Other Information | |
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| Other information: | Text of any Risk Phrases listed in section 2<br>R10 Flammable. R20/21 Harmful by inhalation and in contact with skin. R38 Irritating to skin.<br>R50/53 Very toxic to aquatic organisms. |
| The information contained in this safety data sheet is provided in accordance with the requirements of the CHIP Regulations. The product should not be used for purposed other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the suppliers control, the user is responsible tor ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. | |

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