

# WHEELPAINTS

Specialist Paints for the Alloy Wheel Industry

## MATERIAL SAFETY DATA SHEETS

<b>1. Identification of the substance</b>
<b>Product Details:</b>  Product Name: Alloywheel Filler Hi-Temp Application of the substance/ the preparation: Filler Supplier: WHEELPAINTS NN5 5JF UNITED KINGDOM Tel: 01604 600582 E-mail: <a href="mailto:esales@wheelpaints.co.uk">esales@wheelpaints.co.uk</a> <a href="http://www.wheelpaints.co.uk">www.wheelpaints.co.uk</a>
<b>2. Composition/Data on components</b>
<b>Chemical Characterization</b> <b>Description:</b> Mixture of substances listed below with non-hazardous additions.  <b>Dangerous Components:</b> 100-42-5 Styrene 10-20% 7429-90-5 Aluminium Powder (stabilized)/ manufacturer Classification 2.5-10% 918-668-5 Hydrocarbons, C9, Aromatics 0.25-2.5% 38668-48-3 1,1'-(p-tolylimino) dipropan-2-ol 0.1-1%
<b>3. Hazards Identification</b>
<b>Hazard Description:</b>  The product must be labelled due to the calculation procedure of international guidelines. Flammable. Irritating to skin. Suspected of damage to the hearing organs through prolonged or repeated exposure. Irritating to the eyes. Harmful to aquatic life with long lasting effects.  <b>Precautionary Statements:</b>  Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. If on skin or hair, take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up.

**Classification System:**

The classification was made according to the latest editions of international substances lists and expanded upon from company and literature data.

**4. First Aid Measures****General Information:**

Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hours after the accident.

**After Inhalation:**

Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably inside position for transportation.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

**After swallowing:** If symptoms persist consult doctor.

**5. Fire fighting measures**

**Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.  
**For safety reasons unsuitable extinguishing agents:** Water with full jet.  
**Protective equipment:** Mouth respiratory protective device.

**6. Accidental Release Measures**

**Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.

**Measures for environmental protection:** Do not allow to enter sewers/surface or ground water.

**Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents.

**7. Handling and Storage**

**Precaution for safe handling:** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

**Fire and explosion protection:** Keep ignition sources away – Do not smoke. Protect against any electrostatic charges.

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Store away from foodstuffs.

**Further information about storage conditions:** Keep receptable tightly sealed.

**8. Exposure controls and personal protection****100-42-5 Styrene**

**WEL- Short-term value:** 1080mg/m<sup>3</sup>, 250 ppm

-Long-term value: 430mg/m<sup>3</sup>, 100 ppm

**7429-90-5 Aluminium powder (stabilized)/manufacturer classification**

**WEL-Long-term value:** 10\*4\*\*mg/m<sup>3</sup>

\*inhalable dust\*\* respirable dust

**Additional Information**

The lists valid during the making were used as basis.

**Personal protective equipment:**

**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Immediately removed all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

**Breathing Equipment**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Protection of Hands:**

Protective 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 chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

**Material of gloves:**

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 cannot be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material:**

The exact break through time must be found out by the manufacturer of the protective gloves and must be observed.

**Eye Protection:**

Tightly sealed goggles.

**9. Physical and Chemical Properties**

General Information

**Form: Fluid**

**Colour: According to product specification**

**Odour:** Characteristic

**Odour Threshold:** Not determined

**Change in condition:** -

**Melting point/freezing point:** Undetermined.

Initial boiling point and boiling range: 145°C

**Flash Point: 34°C (DIN53213)**

**Flammability (solid, gas): Not applicable**

**Ignition Temperature: 480°C (DIN51794)**

**Decomposition Temperature:** Not Determined.

**Auto-ignition Temperature:** Product is not self igniting.

**Explosive Properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

**Explosion Limits:**

**Lower:** 1.2 Vol%

**Upper:** 8.9 Vol%

**Vapour pressure at 20°C:** 6hPa

**Density at 20°C:** 1.531g/cm<sup>3</sup> (DIN 53217)

**Relative Density:** Not determined.

**Vapour Density:** Not determined.

**Evaporation Rate:** Not determined.

**Solubility in/Miscibility with water:** Not miscible or difficult to mix.

**Partition coefficient:** n-octanol/water: Not determined.

**Viscosity:**

**Dynamic at 20°C:** 65,000 mPas

**Kinematic:** Not determined.

**Solvent Content:**

**VOC (EC)** 1.82%

**Solids content (weight-%):** 80.4%

**9.2 Other Information:** No further relevant information available

#### 10. Stability and Reactivity

**Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications.

**Dangerous reactions:** No dangerous reactions known.

**Dangerous products of decomposition:** Carbon Monoxide.

#### 11. Toxicological Information

**Acute Toxicity:**

**LD/LC50 values that are relevant for classification:**

100-42-5 Styrene

Oral- LD50-5,000 MG/KG (rat)

Dermal-LD50->2,000 mg/kg (rat)

Inhalative – LC50/4h -11.8 mg/l (rat)

Hydrocarbons, C9, Aromatics

Oral-LD50 ->2,000 mg/kg (rat)

Dermal – LD50 - > 2000 mg/kg (rabbit)

**Primary irritant effect:**

**Skin corrosion/irritation-** Causes skin irritation

**Serious eye damage/irritation-** Causes serious eye irritation

**Respiratory or skin sensitisation** – Based on available data, the classification criteria are not met. CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

**Germ cell mutagenicity-**Based on available data, the classification criteria are not met.

**Carcinogenicity** – Based on available data, the classification criteria are not met.

**Reproductive toxicity-** Suspected of damaging the unborn child.

**STOT – single exposure** – Based on available data, the classification criteria are not met.

**STOT – repeated exposure** – Causes damage to the hearing organs through prolonged or repeated exposure.

**Aspiration hazard-** Based on available data, the classification criteria are not met.

#### 12. Ecological Information

**Ecotoxic effects:**

**Aquatic Toxicity:** No further relevant information available

**Persistence and degradability:** No further information available.

**Bio Accumulative Potential:** No further relevant information available.

Mobility in soil: No further relevant information available.

**Additional Ecological Information:**

**General Notes:**

Water hazard class 2 (German regulation): Hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

#### 13. Disposal Considerations

**Product:**

**Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**European Waste Catalogue:**

08 01 11\* Waste paint and varnish containing organic solvents or other hazardous substances.

<p><b>Uncleaned packaging:</b>  <b>Recommendation:</b> Disposal must be made according to official regulations.</p>
<p align="center"><b>14. Transport Information</b></p>
<p><b>Hazard Class:</b> 3 Flammable Liquids  <b>Identification Number:</b> UN3269  <b>Packaging Group:</b> III  <b>Proper shipping name (technical name):</b> Polyester Resin Kit  <b>Environmental hazards:</b>  <b>Marine Pollutant:</b> No  <b>Special Precautions for user:</b> Warning- Flammable Liquids  <b>EMS Number:</b> F-E,S-D  <b>Stowage Category:</b> A  <b>Transport Category:</b> 3  <b>Tunnel Restriction Code:</b> E  <b>UN Model Regulation:</b> un 3269 Polyester Resin Kit, III</p>
<p align="center"><b>15. Regulations</b></p>
<p>Safety, health and environmental regulations/legislation specific for the substance or mixture.</p> <p><b>Directive 2012/18/EU</b>  <b>Named dangerous substances – ANNEX 1</b> None of the ingredients is listed.  FLAMMABLE LIQUIDS  <b>Qualifying Quantity (tonnes) for the application of lower-tier requirements:</b> 5,000t  <b>Qualifying Quantity (tonnes) for the application of upper-tier requirements:</b> 50,000t  <b>Conditions of restriction:</b> 3  <b>National Regulations:</b>  <b>Class:</b> I NK  <b>Share in %:</b> &gt;0.1&lt;1 10-25  <b>Chemical Safety Assessment:</b> A chemical Safety Assessment has not been carried out.</p>
<p align="center"><b>16. Other Information</b></p>
<p>This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.</p> <p><b>Relevant Phrases:</b></p> <p><b>H226</b> Flammable liquid and vapour  <b>H228</b> Flammable Solid  <b>H300</b> Fatal if swallowed  <b>H304</b> Maybe fatal if swallowed and enters airways  <b>H315</b> Causes skin irritation  <b>H319</b> Causes serious eye irritation  <b>H332</b> Harmful if inhaled  <b>H335</b> May Cause Respiratory Irritation  <b>H336</b> May cause drowsiness or dizziness  <b>H361d</b> Suspected of damaging unborn child  <b>H372</b> Causes damage to the hearing organs through prolonged or repeated exposure  <b>H411</b> Toxic to aquatic life with long lasting effects.  <b>H412</b> Harmful to aquatic life with long lasting effects</p> <p><b>Classification according to Regulation (EC) No 1272/2008</b>  The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008</p>

### **Abbreviations and acronyms:**

**RID:** Regulations concerning the International Transport of Dangerous goods by rail.

**ICAO:** International Civil Aviation Organisation

**ADR:** European Agreement concerning the International Carriage of Dangerous Goods by Road

**IMDG:** International Maritime Code for Dangerous Goods

**IATA:** International Air Transport Association

**GHS:** Globally Harmonised System of Classification and Labelling of Chemicals

**EINECS:** European Inventory of Existing Commercial Chemical Substances.

**ELINCS:** European List of Notified Chemical Substances

**CAS:** Chemical Abstract Service

**VOC:** Volatile Organic Compound

**LC50:** Lethal Concentration, 50 Percent

**LD50:** Lethal dose, 50 percent

**PBT:** Persistent, Bio accumulative and Toxic

**vPvB:** Very Persistent and very Bio accumulative

**Flam.Liq.3:** Flammable liquids – Category 3

**Flam.Sol.1:** Flammable Solids – Category 1

**Acute Tox 2:** Acute Toxicity – Category 2

**Acute Tox 4:** Acute toxicity – Category 4

**Skin Irrit. 2:** Skin corrosion/irritation – Category 2

**Eye Irrit. 2:** Serious eye damage/eye irritation – Category 2

**Repr.2:** Reproductive Toxicity-Category 2

**STO SE 3:** Specific target organ toxicity (single exposure- Category 3

**STOT RE 1:** Specific target organ toxicity (repeated exposure) – Category 1

**Asp. Tox.1:** Aspiration hazard- Category 1