

WHEELPAINTS





Specialist Paints for the Alloy Wheel Industry

MATERIAL SAFETY DATA SHEETS

Revision date:

30/04/2019

According to 1907/2006/EC, Article 31

<p>1. Identification of the substance</p> <p>Product Details:</p> <p>Product Name: Alloy wheel Basecoat Application of the substance/ the preparation: Alloy Wheel Refinishing Paint Supplier: WHEELPAINTS NN5 5JF UNITED KINGDOM Tel: 01604 600585 E-mail: esales@wheelpaints.co.uk www.wheelpaints.co.uk</p>
<p>2. Hazards Identification</p> <p>2.1. Classification of the substance or mixture</p> <p>· Classification according to Regulation (EC) No 1272/2008</p> <p> GHS02 flame Flam. Liq. 3 H226 Flammable liquid and vapour.</p> <p> GHS07 Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2 H319 Causes serious eye irritation. STOT SE 3 H336 May cause drowsiness or dizziness. Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.</p> <p>2.2 Label elements</p> <p>· Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.</p> <p>· Hazard pictograms</p> <p>  GHS02 GHS07</p> <p>· Signal word Warning</p> <p>· Hazard-determining components of labelling: n-Butyl acetate Hydrocarbons, C9, aromatics methyl ethyl ketone Xylene</p>

Hazard statements

H226 Flammable liquid and vapour.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P103 Read label before use.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Additional information:






EUH208 Contains Fatty acids, C14-18 and C16-18-unsatd., malleated. May produce an allergic reaction.













· 2.3 Other hazards**· Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3. Composition/information on ingredients**3.2 Chemical characterisation: Mixtures**

- **Description:** Mixture of substances listed below with non-hazardous additions.
- **Dangerous components:**

CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	n-Butyl acetate  Flam. Liq. 3, H226;  STOT SE 3, H336	50-100%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	Xylene  Flam. Liq. 3, H226;  STOT RE 2, H373; Asp. Tox. 1, H304;  Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	5-<10%

CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43	<i>methyl ethyl ketone</i>  <i>Flam. Liq. 2, H225;</i>  <i>Eye Irrit. 2, H319; STOT SE 3, H336</i>	2.5-<10%
CAS: 64742-95-6 EC number: 918-668-5 Reg.nr.: 01-2119455851-35	<i>Hydrocarbons, C9, aromatics</i>  <i>Flam. Liq. 3, H226;</i>   <i>Asp. Tox. 1, H304;</i> <i>Aquatic Chronic</i>  <i>2, H411;</i>  <i>STOT SE 3, H335-H336</i>	5-<10%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	<i>2-Methoxy-1-methylethyl acetate</i>  <i>Flam. Liq. 3, H226</i>	2.5-<10%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119489370-35	<i>ethylbenzene</i>  <i>Flam. Liq. 2, H225;</i>  <i>STOT RE 2, H373; Asp. Tox. 1, H304;</i>  <i>Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412</i>	<2.5%
CAS: 85711-46-2 EINECS: 288-306-2 Reg.nr.: 01-2119976378-19	<i>Fatty acids, C14-18 and C16-18-unsatd., maleated</i>  <i>Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317</i>	≥0.1-<1%

4. First Aid Measures

4.1 Description of first aid measures

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Generally, the product does not irritate the skin.

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

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

· 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

· **Information for doctor:**

5. Extinguishing Media

5.1 Extinguishing media

· **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

· **5.3 Advice for firefighters**

· **Protective equipment:** No special measures required.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· **6.2 Environmental precautions:**

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

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and Storage

7.1 Precautions for safe handling

Use only in well ventilated areas.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **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 container tightly sealed.

· **Storage class:** 3

· **7.3 Specific end use(s)** No further relevant information available.

8. Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

123-86-4 n-Butyl acetate

WEL - Short-term value: 966 mg/m³, 200 ppm

- Long-term value: 724 mg/m³, 150 ppm

1330-20-7 Xylene

WEL - Short-term value: 441 mg/m³, 100 ppm

- Long-term value: 220 mg/m³, 50 ppm

- Sk; BMGV

78-93-3 methyl ethyl ketone

WEL - Short-term value: 899 mg/m³, 300 ppm

- Long-term value: 600 mg/m³, 200 ppm

- Sk, BMGV

108-65-6 2-Methoxy-1-methylethyl acetate

- WEL - Short-term value: 548 mg/m³, 100 ppm
- Long-term value: 274 mg/m³, 50 ppm
 - Sk

100-41-4 ethylbenzene

- WEL - Short-term value: 552 mg/m³, 125 ppm
- Long-term value: 441 mg/m³, 100 ppm
 - Sk

· Ingredients with biological limit values:

1330-20-7 Xylene

BMGV - 650 mmol/mol creatinine

- Medium: urine
- Sampling time: post shift
- Parameter: methyl hippuric acid
-

78-93-3 methyl ethyl ketone

BMGV - 70 µmol/L

- Medium: urine
- Sampling time: post shift
- Parameter: butan-2-one

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Respiratory Protection:



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or

longer exposure uses self-contained respiratory protective device.

Filter A/P2 (EN 141, EN 143)

· **Protection of hands:**



Protective gloves (EN 374)

Material of gloves

Butyl rubber, BR

Recommended thickness of the material: ³ 0.7 mm

· **Breakthrough time of glove material** Value for the permeation: Level £ 1

· **Eye protection:**



Tightly sealed goggles

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties.

General Information

· **Appearance:**

Form: Fluid

Colour: According to product specification

· **Odour:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: 79-80.5 °C

· **Flash point:** 23 °C (DIN 53213)

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

· **Ignition temperature:** 370 °C (DIN 51794)

· **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: 7.5 Vol %

· **Vapour pressure at 20 °C:** 105 hPa

· **Density at 20 °C:** 0.984 g/cm³ (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: Not determined.

Kinematic at 20 °C: 135 s (DIN 53211/4)

· **Solvent content:**

VOC (EC) 74.60 %

Solids content (weight-%): 25.4 %

· **9.2 Other information** No further relevant information available.

10. Stability and Reactivity

10.1 Reactivity No further relevant information available.

· **10.2 Chemical stability**

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide

11. Toxicological Information

11.1 Information on toxicological effects

- **Acute toxicity** Based on available data; the classification criteria are not met.

- **LD/LC50 values relevant for classification:**
1330-20-7 Xylene

Oral - LD50 - 5,251 mg/kg (rat)

Dermal - LD50 - >5,000 mg/kg (rabbit)

Inhalative - LC50/4 h - 29 mg/l (rat)

- **64742-95-6 Hydrocarbons, C9, aromatics**

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

Dermal - LD50 - >2,000 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** Based on available data, the classification criteria are not met.

- **STOT-single exposure**

May cause drowsiness or dizziness.

- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

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

12. Ecological Information

12.1. Toxicity

Aquatic toxicity: No further relevant information available.

- **12.2 Persistence and degradability** No further relevant information available.

- **12.3 Bio accumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

- **Ecotoxic effects:**

- **Remark:** Harmful to fish

- **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.

Harmful to aquatic organisms

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

13. Waste Treatment Methods

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed 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

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

14. Transport Information

· **14.1 UN-Number**

· **ADR, IMDG, IATA** UN1263

14.2 UN proper shipping name

· **ADR** UN1263 PAINT

· **IMDG, IATA** PAINT

· **14.3 Transport hazard class(es)**

· **ADR**



Class 3 (F1) Flammable liquids.

Label 3

IMDG, IATA



Class 3 Flammable liquids.

· **Label 3**

· **14.4 Packing group**

· **ADR, IMDG, IATA** III

· **14.5 Environmental hazards:**

· **Marine pollutant:** No

· **14.6 Special precautions for user** Warning: Flammable liquids.

· **Danger code (Kemler):** 30

· **EMS Number:** F-E,S-E

· **Stowage Category** A

· **14.7 Transport in bulk according to Annex II of**

Marpol and the IBC Code Not applicable.

· **Transport/Additional information:**

· **ADR**

· **Transport category** 3

· **Tunnel restriction code** D/E

<ul style="list-style-type: none"> · Remarks: £ 450 l: - · IMDG · Limited quantities (LQ) 5L · Remarks: £ 30 l: -
<ul style="list-style-type: none"> · UN "Model Regulation": UN 1263 PAINT, 3, III

15. Regulatory Information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations:**

Class	Share in %
NK	50-100

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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16. Other Information

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.

· **Relevant phrases**

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

· **Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· **Abbreviations and acronyms:**

ICAO: International Civil Aviation Organisation
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (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 Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

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. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

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

Skin Sens. 1B: Skin sensitisation – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3