

# WHEELPAINTS

Specialist Paints for the Alloy Wheel Industry

## MATERIAL SAFETY DATA SHEETS

Revised date: 23.05.2018

### 1. Identification of the substance

#### Product Details:

Product Name: Modified Polyester Thinners

Application of the substance/ the preparation: Thinners, Diluent

Supplier: WHEELPAINTS

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**Sector of Use SU3 Industrial uses:** Uses of substances as such or in preparations at industrial sites

**SU22 Professional uses:** Public domain (administration, education, entertainment, services, craftsmen)

**Product category** - PC9a Coatings and paints, thinners, paint removers

### 2. Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects



GHS07

STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

#### Label elements

### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

#### Hazard pictograms



GHS02



GHS07



GHS08



GHS09

#### Signal word

Danger

#### Hazard-determining components of labelling

Hydrocarbons, C9, aromatics

n-Butyl acetate

2-Methoxy-1-methylethyl acetate

#### Hazard statements

**H226** Flammable liquid and vapour

**H335-H336** May cause respiratory irritation. May cause drowsiness or dizziness.

**H304** May be fatal if swallowed and enters airways.

**H411** Toxic 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

**P301+P310** IF SWALLOWED: Immediately call a POISON CENTER/ doctor

**P331** Do NOT induce vomiting

**P303+P361+P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:** EUH066 Repeated exposure may cause skin dryness or cracking.

**Other hazards:** Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

### 3. Composition/information on ingredients









**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	<i>n-Butyl acetate</i>  Flam. Liq. 3, H226;  STOT SE 3, H336	50-100%
CAS: 64742-95-6 EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Hydrocarbons, C9, aromatics  Flam. Liq. 3, H226;  Asp. Tox. 1, H304;  Aquatic Chronic 2, H411;  STOT SE 3, H335-H336	25-50%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	2-Methoxy-1-methylethyl acetate  Flam. Liq. 3, H226;  STOT SE 3, H336	2.5-<10%

**Additional information:**

For the wording of the listed hazard phrases refer to section 16.

#### 4. First Aid Measures

**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: Seek immediate medical advice.**

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

No further relevant information available.

#### 5. Fire fighting measures

**Extinguishing media**

**Suitable extinguishing agents:** Alcohol resistant foam

CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

**For safety reasons unsuitable extinguishing agents:** Water with full jet  
**Special hazards arising from the substance or mixture** No further relevant information available.

**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 to enter sewers/ surface or ground water.

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

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).

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

Dispose contaminated material as waste according to item 13.

### **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

### **Precautions for safe handling**

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.

### **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

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

## 8. Exposure controls and personal protection

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

### **Control parameters**

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

#### **123-86-4 n-Butyl acetate**

WEL Short-term value: 966 mg/m<sup>3</sup>, 200 ppm

Long-term value: 724 mg/m<sup>3</sup>, 150 ppm

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

WEL Short-term value: 548 mg/m<sup>3</sup>, 100 ppm

Long-term value: 274 mg/m<sup>3</sup>, 50 ppm

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

### Exposure controls

#### Personal protective equipment:

#### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

#### Respiratory protection:



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.

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:  $\geq 0.7$  mm

**Breakthrough time of glove material** Value for the permeation: Level  $\leq 2$

#### · 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

**pH-value:** Not determined  
**Change in condition:** -  
**Melting point/freezing point:** Undetermined.  
**Initial boiling point and boiling range:** 124-128°C  
**Flash Point:** 30°C (DIN53213)  
**Flammability (solid, gas):** Not applicable  
**Ignition Temperature:** 315°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:** 0.7 Vol%  
**Upper:** 7.5 Vol%  
**Vapour pressure at 20°C:** 10.7 hPa  
**Density at 20°C:** 0.883g/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:** Not Determined  
**Kinematic:** 11s (din 53211/4)  
**Solvent Content:**  
**VOC (EC)** 100.00%  
**Solids content (weight-%):** 0.0%  
**9.2 Other Information:** No further relevant information available

#### 10. Stability and Reactivity

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

#### 11. Toxicological Information

**Information on toxicological effects**  
**Acute toxicity** Based on available data, the classification criteria are not met.

##### LD/LC50 values relevant for classification:

###### 123-86-4 n-Butyl acetate

Oral LD50 13,100 mg/kg (rat)  
Dermal LD50 >5,000 mg/kg (rabbit)

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

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.  
**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met. ·  
**CMR effects (carcinogenity, 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 respiratory irritation. May cause drowsiness or dizziness.  
**STOT-repeated exposure** Based on available data, the classification criteria are not met.  
**Aspiration hazard**  
 May be fatal if swallowed and enters airways.

## 12. Ecological Information

**Toxicity**  
**Aquatic toxicity:** No further relevant information available.  
**Persistence and degradability** No further relevant information available.  
**Bioaccumulative potential** No further relevant information available.  
**Mobility in soil** No further relevant information available.  
**Ecotoxicological effects:** ·  
**Remark:** Toxic for 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.  
 Also poisonous for fish and plankton in water bodies.  
 Toxic for aquatic organisms  
**Results of PBT and vPvB assessment**  
**PBT:** Not applicable.  
**vPvB:** Not applicable.  
**Other adverse effects** No further relevant information available.

## 13. Disposal Considerations

**Waste treatment methods**  
**Recommendation**  
 Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
  
**European waste catalogue**  
 14 06 03\* other solvents and solvent mixtures  
  
**Uncleaned packaging:**  
**Recommendation:** Disposal must be made according to official regulations.

## 14. Transport Information

<b>14.1 UN-Number</b>	
<b>ADR, IMDG, IATA</b>	UN1263
<b>14.2 UN proper shipping name</b>	
<b>ADR</b>	UN1263 PAINT RELATED MATERIAL , ENVIRONMENTALLY HAZARDOUS ·
<b>IMDG</b>	PAINT RELATED MATERIAL (Solvent naphtha), MARINE POLLUTANT

**IATA**  
**PAINT RELATED MATERIAL**

**· 14.3 Transport hazard class(es)**

**ADR**



**Class - 3 (F1) Flammable liquids**  
**Label - 3**

**IMDG**



**Class – 3 Flammable Liquids**  
**Label - 3**

**IATA**



**Class: 3 Flammable liquids**  
**Label: 3**

**14.4 Packing group**  
**ADR, IMDG, IATA - III**

**14.5 Environmental hazards:** Product contains environmentally hazardous substances.  
Solvent naphtha  
· **Marine pollutant:** Yes  
Symbol (fish and tree)  
· **Special marking (ADR):** Symbol (fish and tree)

**14.6 Special precautions for user –** Warning: Flammable liquids  
**Danger code (kemler):** 30  
**EMS Number:** F-E,S-E  
**Stowage Category:** A

**14.6 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**

**IMDG**



Limited quantities (LQ) – 5L

UN “Model Regulation”: UN 1263 Paint related material, 3,III, Environmentally Hazardous

## 15 Regulations

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

### Directive 2012/18/EU

**Named dangerous substances – ANNEX 1** None of the ingredients is listed.

### Seveso category

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

**Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

**Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

### National regulations:

**Class Share in %**

NK 50-100

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

## 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

**H226** Flammable liquid and vapour.

**H304** May be fatal if swallowed and enters airways.

**H335** May cause respiratory irritation.

**H336** May cause drowsiness or dizziness.

**H411** Toxic 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. 3:** Flammable liquids – Category 3

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

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

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