

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 25.04.2018



Version number 5

Revision: 25.04.2018

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name: Amotherm Wood 450 TOP**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**  
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category PC9a** Coatings and paints, thinners, paint removers
- **Process category**  
PROC10 Roller application or brushing  
PROC7 Industrial spraying  
PROC11 Non industrial spraying
- **Environmental release category**  
ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)  
ERC8c Widespread use leading to inclusion into/onto article (indoor)  
ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)  
ERC8f Widespread use leading to inclusion into/onto article (outdoor)
- **Application of the substance / the mixture** Antifire paint
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
J.F. AMONN srl div. Color  
via cima i prà, 7  
32014 Ponte nelle Alpi (BL)  
ITALIA
- **Distributor:**  
J.F. Amonn SRL/GmbH  
I-39100 Bolzano/Bozen  
Via Altmann 12 Altmannstraße  
Tel.: +39 0471 904-911 - Fax.: +39 0471 910-449
- **Informing department:**  
Product safety department.  
technical department Color Division  
phone: +39 0437 98411  
email: laboratorio@amonncolor.com
- **1.4 Emergency telephone number:**  
National Poisons Information Service (NPIS)  
In England and Wales: NHS 111 - dial 111  
In Scotland: NHS 24 - dial 111  
In N Ireland: Contact your local GP or pharmacist during normal hours; click here ([www.gpoutofhours.hscni.net/](http://www.gpoutofhours.hscni.net/)) for GP services Out-of-Hours.  
In Republic of Ireland: 01 809 2166

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**  
Flam. Liq. 3 H226 Flammable liquid and vapour.  
Acute Tox. 4 H302 Harmful if swallowed.  
STOT SE 3 H336 May cause drowsiness or dizziness.
  - **2.2 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
- **Signal word** Warning
  - **Hazard-determining components of labelling:**  
Tris (2-chlorometil)phosphate

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- n*-butyl acetate
- **Hazard statements**
    - H226 Flammable liquid and vapour.
    - H302 Harmful if swallowed.
    - H336 May cause drowsiness or dizziness.
  - **Precautionary statements**
    - P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
    - P241 Use explosion-proof electrical/ventilating/lighting equipment.
    - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
    - P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
    - P405 Store locked up.
    - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
  - **Additional information:**
    - EUH066 Repeated exposure may cause skin dryness or cracking.
  - **2.3 Other hazards**
  - **Results of PBT and vPvB assessment**
    - **PBT:** Not applicable.
    - **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 13674-84-5 EINECS: 237-158-7 Reg.nr.: 01-2119486772-26-0005	Tris (2-chlorometiletil)phosphate Acute Tox. 4, H302	25-50%
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	<i>n</i> -butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336	10-25%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46	ethyl acetate Flam. Liq. 2, H225; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H336	3-7%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-XXXX	xylene, mixed isomers, pure 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	0.5-1.5%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information**
  - Instantly remove any clothing soiled by the product.
  - 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; consult doctor in case of symptoms.
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing**
  - Instantly call for doctor.
  - Seek immediate medical advice.
- **4.2 Most important symptoms and effects, both acute and delayed**
  - No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
  - No further relevant information available.

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### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents**  
Water.  
Water with a full water 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.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of contaminated material as waste according to item 13.  
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 information on disposal.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
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 containers:**  
Store in well closed containers in a cool, well ventilated area. Direct sunshine should be avoided.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class 3**
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:**

#### 123-86-4 n-butyl acetate (10-25%)

WEL Short-term value: 966 mg/m<sup>3</sup>, 200 ppm  
Long-term value: 724 mg/m<sup>3</sup>, 150 ppm

#### 141-78-6 ethyl acetate (3-7%)

WEL Short-term value: 400 ppm  
Long-term value: 200 ppm

- **DNELs**

#### 123-86-4 n-butyl acetate

Oral	Long-term exposure, systemic effects	2 mg/kg bw/day (Ver)
	Acute, systemic effects	2 mg/kg/day (Ver)

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Dermal	Long-term exposure, systemic effects	11 mg/kg bw/day (Arb) 6 mg/kg bw/day (Ver)
	Acute, local effects	11 mg/kg (Arb)
Inhalative	Acute, systemic effects	6 mg/kg/day (Ver)
	Long-term exposure, systemic effects	300 mg/m <sup>3</sup> (Arb) 35.7 mg/m <sup>3</sup> (Ver)
	Long-term exposure, local effects	600 mg/m <sup>3</sup> (Arb) 35.7 mg/m <sup>3</sup> (Ver)
	Acute, systemic effects	300 mg/m <sup>3</sup> (Arb) 300 mg/m <sup>3</sup> (Ver)
	Acute, local effects	600 mg/m <sup>3</sup> (Arb) 300 mg/m <sup>3</sup> (Ver)

**141-78-6 ethyl acetate**

Oral	Long-term exposure, systemic effects	4.5 mg/kg bw/day (Ver)
Dermal	Long-term exposure, systemic effects	63 mg/kg bw/day (Arb) 37 mg/kg bw/day (Ver)
	Long-term exposure, systemic effects	734 mg/m <sup>3</sup> (Arb) 367 mg/m <sup>3</sup> (Ver)
Inhalative	Long-term exposure, local effects	1,468 mg/m <sup>3</sup> (Arb) 367 mg/m <sup>3</sup> (Ver)
	Acute, systemic effects	734 mg/m <sup>3</sup> (Arb) 734 mg/m <sup>3</sup> (Ver)
	Acute, local effects	1,468 mg/m <sup>3</sup> (Arb) 734 mg/m <sup>3</sup> (Ver)

**· PNECs**
**123-86-4 n-butyl acetate**

PNEC	0.18 mg/l (freshwater)
	0.018 mg/l (Marine Water)
	35.6 mg/l (sewage treatment plant microorganisms)
	0.36 mg/l (sporadic release)
PNEC	0.0903 mg/kg (soil)
	0.981 mg/kg (sediment, freshwater)
	0.0981 mg/kg (sediment, marine water)

**141-78-6 ethyl acetate**

PNEC	0.24 mg/l (freshwater)
	0.024 mg/l (Marine Water)
	650 mg/l (sewage treatment plant microorganisms)
PNEC	1.15 mg/kg (freshwater)
	0.148 mg/kg (soil)
	0.115 mg/kg (sediment, marine water)

**· Ingredients with biological limit values:**
**1330-20-7 xylene, mixed isomers, pure (0.5-1.5%)**

BMGV	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid
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· **Additional information:** The lists that were valid during the compilation were used as basis.

**· 8.2 Exposure controls**
**· Personal protective equipment**
**· General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Wash hands during breaks and at the end of the work.

**· Breathing equipment:**

- Face mask - term filter unit (EN 140):

Filter type A (gas and organic vapours - boiling point >65°C)

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Use breathing protection in case of insufficient ventilation.

· **Protection of hands:**

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**

Butyl rubber, BR

Nitrile rubber, NBR

Leather 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 can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

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

· **Eye protection:**

Use safety glasses with side shields to prevent accidental splash of liquids.

Tightly sealed safety glasses.

· **Body protection:** Light weight protective clothing

### SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Fluid

Colour: Yellowish

· **Odour:** Solvent-like

· **Odour threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/freezing point: Not determined

Initial boiling point and boiling range: 124 °C

· **Flash point:** >23 °C

· **Inflammability (solid, gaseous)** Not applicable.

· **Ignition temperature:** >400 °C

· **Decomposition temperature:** Not determined.

· **Self-inflammability:** Product is not selfigniting.

· **Explosive properties:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

· **Critical values for explosion:**

Lower: 1,2 Vol %

Upper: 7,5 Vol %

· **Vapour pressure at 20 °C:** 15 hPa

· **Density at 20 °C** 1,1 g/cm<sup>3</sup>

· **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.

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<b>kinematic:</b>	Not determined.
<b>· Solvent content:</b>	
<b>Organic solvents:</b>	59,8 %
<b>VOC (EU)</b>	345.0 g/l
<b>· Solids content:</b>	70,0 %
<b>· 9.2 Other information</b>	No further relevant information available.

### SECTION 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:** No dangerous decomposition products known

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**

· **Acute toxicity**  
Harmful if swallowed.

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

#### 13674-84-5 Tris (2-chlorometiletil)phosphate

Oral	LD50	500 mg/kg (ATE)
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#### 123-86-4 n-butyl acetate

Oral	LD50	10,760 mg/kg (rat)
Dermal	LD50	>14,000 mg/kg (rab)
Inhalative	LC50/4 h	>23.4 mg/l (rat) (OECD 403 Acute Inhalation Toxicity)

#### 141-78-6 ethyl acetate

Oral	LD50	5,620 mg/kg (rat)
Inhalative	LC50/4 h	11.72 mg/l (rat)

#### 1330-20-7 xylene, mixed isomers, pure

Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	29.57 mg/l (rat)

- **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 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.

### SECTION 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 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

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- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

<ul style="list-style-type: none"> <li>· <b>14.1 UN-Number</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>	UN1263
<ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG, IATA</b></li> </ul>	1263 PAINT PAINT
<ul style="list-style-type: none"> <li>· <b>14.3 Transport hazard class(es)</b></li> <li>· <b>ADR</b></li> </ul>	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>	3 (F1) Flammable liquids. 3
<ul style="list-style-type: none"> <li>· <b>IMDG, IATA</b></li> </ul>	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>	3 Flammable liquids. 3
<ul style="list-style-type: none"> <li>· <b>14.4 Packing group</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>	III
<ul style="list-style-type: none"> <li>· <b>14.5 Environmental hazards:</b></li> <li>· <b>Marine pollutant:</b></li> </ul>	No
<ul style="list-style-type: none"> <li>· <b>14.6 Special precautions for user</b></li> <li>· <b>Kemler Number:</b></li> <li>· <b>EMS Number:</b></li> <li>· <b>Stowage Category</b></li> </ul>	Warning: Flammable liquids. 33 F-E, <u>S-E</u> A
<ul style="list-style-type: none"> <li>· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b></li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>· <b>Transport/Additional information:</b></li> </ul>	<ul style="list-style-type: none"> <li>· <b>ADR</b></li> <li>· <b>Excepted quantities (EQ):</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>
	E1 5L Code: E1 Maximum net quantity per inner packaging: 30 ml

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·	Maximum net quantity per outer packaging: 1000 ml
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	5L
· <b>Limited quantities (LQ)</b>	Code: E1
· <b>Excepted quantities (EQ)</b>	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>UN "Model Regulation":</b>	UN 1263 PAINT, 3, III

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Directive 2012/18/EU**
  - **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**
  - **Technical instructions (air):**
- | Class | Share in % |
|-------|------------|
| NK    | 31.4       |
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
  - **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they 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.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
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.
- **Department issuing data specification sheet:** Environment protection department.
- **Abbreviations and acronyms:**  
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)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 2: Flammable liquids – Category 2  
Flam. Liq. 3: Flammable liquids – Category 3  
Acute Tox. 4: Acute toxicity – Category 4

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*Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**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***\* Data compared to the previous version altered.**

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