

## PALUSOL® 104

Version 1.0      Revision Date: 08.12.2020      SDS Number: 000000033813      Date of last issue: -  
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### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PALUSOL® 104  
Product code : 000000000057333480

#### Manufacturer or supplier's details

Company : Wolman Wood and Fire Protection GmbH  
Address : Dr.-Wolman-Strasse 31-33  
Sinzheim 76547  
Telephone : +4972218000  
Emergency telephone : ChemTel: +1-813-248-0585  
Telefax : +497221800290

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### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

#### GHS label elements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

#### Other hazards which do not result in classification

No specific dangers known, if the regulations/notes for storage and handling are considered.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Article

#### Components

No hazardous ingredients

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### 4. FIRST AID MEASURES

General advice : Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

In case of skin contact : Wash thoroughly with soap and water  
Consult a doctor if skin irritation persists.

In case of eye contact : Remove contact lenses.  
Protect unharmed eye.  
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.

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Most important symptoms and effects, both acute and delayed : If symptoms persist, call a physician.  
 None known.

Notes to physician : Treat symptomatically.

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**5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Water spray  
 Foam  
 Dry powder  
 Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : water jet

Specific hazards during fire fighting : Formation of further decomposition and oxidation products depends upon the fire conditions.  
 Under special fire conditions traces of other toxic substances are possible.

Hazardous combustion products : fumes/smoke  
 carbon black  
 harmful vapours

Specific extinguishing methods : The degree of risk is governed by the burning substance and the fire conditions.  
 In case of combustion evolution of toxic gases/vapours possible.  
 Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.  
 Standard procedure for chemical fires.  
 Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

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**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Avoid dust formation.

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up : Sweep/shovel up.  
 Sweep up or vacuum small pieces and dusts and place in appropriate container for disposal.  
 Dispose of absorbed material in accordance with regulations.

Pick up and arrange disposal without creating dust.  
 Sweep up and shovel.  
 Keep in suitable, closed containers for disposal.

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**7. HANDLING AND STORAGE**

Advice on protection against : Avoid dust formation.

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fire and explosion		Dust can form an explosive mixture with air. Provide exhaust ventilation. When the product is ground (chopped), dust explosion regulations should be noted.  Provide appropriate exhaust ventilation at places where dust is formed.
Advice on safe handling	:	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
Conditions for safe storage	:	Electrical installations / working materials must comply with the technological safety standards.
Further information on storage conditions	:	Protect against moisture. Keep only in the original container. Avoid direct sunlight. Keep in a cool place away from heat sources. Avoid extreme heat.
Materials to avoid	:	No materials to be especially mentioned.
Further information on storage stability	:	No decomposition if stored and applied as directed.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Ingredients with workplace control parameters**

none

**Personal protective equipment**

Respiratory protection	:	Breathing protection if dusts are formed. Particle filter with low efficiency for solid particles (e.g. EN 143 or 149, Type P1 or FFP1)
Hand protection	:	
Remarks	:	Protective gloves against mechanical risks (EN 388)
Eye protection	:	Safety glasses
Skin and body protection	:	Protective suit
Protective measures	:	Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.
Hygiene measures	:	General industrial hygiene practice.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	:	solid in various forms
Color	:	white
Odor	:	odorless
pH	:	9,5 (20 °C)
decomposition point	:	> 100 °C Decomposition: The substance / product decomposes.

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Boiling range	:	unmeasurable
Flash point	:	does not flash
Evaporation rate	:	Not applicable The product is a non-volatile solid.
Flammability (solid, gas)	:	not highly flammable Method: no information
Self-ignition	:	not self-igniting
Upper explosion limit / Upper flammability limit	:	For solids not relevant for classification and labelling. As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Lower explosion limit / Lower flammability limit	:	For solids not relevant for classification and labelling. As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Vapor pressure	:	Not applicable
Relative vapor density	:	Not applicable The product is a non-volatile solid.
Relative density	:	approx. 1,2 - 2,2 (20 °C, 1.013 hPa)
Density	:	approx. 1,2 - 2,2 g/cm <sup>3</sup> (20 °C, 1.013 hPa)
Bulk density	:	Not applicable
Solubility(ies) Water solubility	:	195 g/l (20 °C, 1.013 hPa)
Partition coefficient: n-octanol/water	:	Not applicable
Autoignition temperature	:	Not applicable
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated. No decomposition if used as directed.
Explosive properties	:	Not explosive Not explosive
Oxidizing properties	:	not fire-propagating
Self-heating substances	:	It is not a substance capable of spontaneous heating.

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**10. STABILITY AND REACTIVITY**

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Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	:	See SDS section 7 - Handling and storage.
Incompatible materials	:	Strong acids Strong oxidizing agents
Hazardous decomposition products	:	At prolonged and/or strong thermal stressing above the decomposition temperature dangerous decomposition products can be formed.

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**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Not classified based on available information.

**Skin corrosion/irritation**

Not classified based on available information.

**Serious eye damage/eye irritation**

Not classified based on available information.

**Respiratory or skin sensitization****Skin sensitization**

Not classified based on available information.

**Respiratory sensitization**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT-single exposure**

Not classified based on available information.

**STOT-repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Further information****Product:**

Remarks : No data available

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**12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:****Ecotoxicology Assessment**

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

**Persistence and degradability**

No data available

**Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: At the present state of knowledge, no negative ecological effects are expected.  
Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.  
Discharge into the environment must be avoided.

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Environmental fate and pathways : Remarks: Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

Additional ecological information : No data available

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**13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : May be disposed of or combusted with domestic refuse according to local regulations.  
Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging : Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.  
Completely emptied packagings can be given for recycling.

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**14. TRANSPORT INFORMATION****International Regulations****UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

**16. OTHER INFORMATION****Further information**

Other information : In addition to the information given in the safety data sheet we refer to the product specific 'Technical Information'.

**Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances

# SAFETY DATA SHEET



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es; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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