

Safety Data Sheet

according to 1907/2006 EU and 1272/2008 EU ("GHS")

Product: PAT®-2003/WC
Version: 00.001
Revised: 10-Jul-2017
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1.0 PRODUCT NAME AND SUPPLIER

Trade Name: PAT®-2003/WC
Supplier: E. und P. Würtz GmbH & Co. KG
Industriegebiet
D-55411 Bingen
Germany
info@wuertz.com
www.wuertz.com
Emergency Telephone: Phone: +49 (0) 6721 / 9690-0
Fax: +49 (0) 6721 / 9690-40
Use Conditions: Preparation is used in diluted form in industrial processing (closed, semi-open and open systems) operated by trained staff
Application Domains : Preparation is used as dispersant (processing aid) for the preparation of aqueous Titanium Dioxide (TiO₂)-dispersions

2.0 HAZARDS IDENTIFICATION

Classification according to GHS / CLP: none: This product does not require labelling according to directive 1272/2008 EU ("GHS"). By means of directive 1907/2006 EU (article 31 / 32) the recipient of this product is legally not entitled to a MSDS.
Health: 0 (minimal)
Flammability: 0 (minimal)
Reactivity: 0 (minimal)
Chronic: 0 (minimal)

3.0 CHEMICAL DESCRIPTION

Chemical Description: Dispersant -Formulation

4.0 FIRST AID MEASURES

Inhalation: In case of irritation, move to fresh air.
Skin contact: Wash off properly with water and soap.
Eye contact: Flush with large amounts of water for at least 15 minutes, keeping eyelids open.
Ingestion: Immediately clean mouth thoroughly with water, drink plenty of water. Consult medical doctor.

5.0 FIRE FIGHTING MEASURES

Extinguishing Media: Foam, CO₂, dry chemical

6.0 ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures: Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water.
Disposal: Product disposal should be according to legislative procedures.
For safety and environmental protection, please review entire Safety Data Sheet for necessary information.

7.0 HANDLING AND STORAGE

Special Sensitivity: No special sensitivity.
Handling / Storage: Store at ambient temperature, avoid frost. The product should not be discharged or flushed into sewers or public waterways.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

General safety and hygienic measures: Wash hands before eating and smoking.
Personal Protection Requirements: Eyes: Safety Glasses with side shields are recommended.
Skin: Chemically resistant gloves are recommended.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear, colourless to yellowish liquid
Odour: typical
Boiling Point: app. 100 °C
Flash Point: > 100 °C (DIN 51758)
Solubility in Water: miscible
Vapour Pressure: $\leq 10^{-5}$ hPa (T=20 °C)
Density: app. 1 g/cm³ (T=20 °C)

10.0 STABILITY AND REACTIVITY

Stability: Stable in normal industrial use.
Hazardous Decomposition Products: None in normal industrial use.
Hazardous Reactions: None known.

11.0 TOXICOLOGICAL INFORMATION

Toxicological Data: All data is based on data from the ingredients.
Toxicity (oral): LD₅₀-value: > 2000 mg/kg (rat, male)
Primary Irritation: Skin: not irritant
Eyes: not irritant
Respiratory: not irritant
Effects of Chronic Exposure: This product is considered as being non-toxic. Use of good industrial hygiene practices, however, is recommended.

12.0 ECOLOGICAL INFORMATION

Persistency / Degradability: Biodegradable (> 90% acc. to OECD 302B), should, however, not be discharged into public waterways in an uncontrolled way.
Fish-toxicity: LC₅₀-value: > 10 mg/L

13.0 DISPOSAL CONSIDERATIONS

Product / Waste Product: Waste disposal should be in accordance with existing Community, National and local regulations. Recommended: Incineration.
Empty container warnings: Not needed

14.0 TRANSPORT INFORMATION

No dangerous product

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15.0 REGULATORY INFORMATION

Labelling according to EU-Directives

EU-Number: n. a.

Symbol(s): None.

All ingredients of PAT®-2003/WC are TSCA-, EINECS-listed, or exempted from EINECS-listing.

Directives 88/379/EU and 1907/2006/EU have been considered when compiling this SDS; the information is provided for health and safety assessment by an industrial user. Reference should be made to any relevant local or national health, safety, and environmental legislation. This information does not constitute indication of suitability for specific uses.

Further Information: VBF: n. a. (national law, Germany)
TRGS 901: n. a. (national law, Germany)
WGK: 1 (national law, Germany)

16.0 OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable but they are given without warranty or guarantee of any kind, expressed or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use. Such data is furnished solely for your consideration, investigation, and verification.

Short-keys used in this text:

n. a. not applicable

n. d. not determined