

Safety Data Sheet

according to 1907/2006 EU

Product: PAT®-VP-644
Version: 00.001
Revised: 30-Aug-2017
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1.0 PRODUCT NAME AND SUPPLIER

Trade Name: PAT®-VP-644
Supplier: E. und P. Würtz GmbH & Co. KG
Industriegebiet
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Germany
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Use Conditions: Preparation is used in diluted form in industrial processing (closed systems) operated by trained staff
Application Domains : Preparation is used as lubricant and release agent (processing aid) for the processing of duroplastic resins and polymers

2.0 HAZARDS IDENTIFICATION (HMIS RATING)

Health: 0 (minimal)
Flammability: 0 (minimal)
Reactivity: 0 (minimal)
Chronic: 0 (minimal)
Classification: None

3.0 CHEMICAL DESCRIPTION

Chemical Description: Lubricant- and Release Agent-Formulation (aqueous formulation, based on polymers)

4.0 FIRST AID MEASURES

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

5.0 FIRE FIGHTING MEASURES

Extinguishing Media: Foam, Carbon-dioxide (CO₂), dry chemical
Hazardous Combustion Products: Carbon-monoxide (CO), Carbon-dioxide (CO₂)
Special Fire-fighting Procedures: The usage of air-masks is recommended. No special procedures are required.

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.

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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.

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

General safety and hygienic measures: Wash hands before eating and smoking.

Personal Protection Requirements: Respiratory: Avoid inhalation of vapours.
Eyes: Safety Glasses with side shields are recommended.
Skin: Chemically resistant gloves are recommended.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: yellowish liquid

Odour: typical

Boiling Point: app. 100 °C

Flash Point: > 100 °C (DIN 51758)

Pour Point: < 10 °C

Vapour Pressure: app. 15 hPa (T=20 °C)

Explosion Limits: n. a.

Solubility in Water: miscible

pH-Value: app. 8,5 (undiluted, T=20 °C)

Density: app. 1,0 g/cm³ (T=20 °C)

10.0 STABILITY AND REACTIVITY

Stability: Stable in normal industrial use.

Hazardous Decomposition Products: Carbon-monoxide (CO), Carbon-dioxide (CO₂)

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: Easily biodegraded (> 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

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14.0 TRANSPORT INFORMATION

No dangerous product

15.0 REGULATORY INFORMATION

Labelling according to EU-Directives

EU-Number:	n. a.
Symbol(s):	None.
R-Phrases:	None.
S-Phrases:	S20/21 Do not eat, drink or smoke during work. S24/25 Avoid contact with Skin and Eyes.

All ingredients of PAT®-VP-644 are TSCA- and 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