

Safety Data Sheet

according to 1907/2006 EU

Product: PAT®-955/H
Version: 00.001
Revised: 29-Apr-2020
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1.0 PRODUCT NAME AND SUPPLIER

Trade Name:	PAT®-955/H
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 defoamer (processing aid) for the processing of 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:	Defoamer-Formulation
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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. If persistent eye irritation occurs, get medical attention.
Ingestion:	Immediately clean mouth thoroughly with water, drink plenty of water. Consult medical doctor.

5.0 FIRE FIGHTING MEASURES

Extinguishing Media:	Foam, CO ₂ , dry chemical
Special Fire-fighting Procedures:	Use air-masks.

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. Generally, avoid prolonged exposure of eyes and skin to the product.
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:

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:	colourless to slightly yellowish liquid	
Odour:	typical	
Auto Ignition Temperature:	> 250	°C
Vapour Pressure:	app. 15	hPa (T=20 °C)
Flash Point:	> 61	°C (DIN 51758)
Solubility in Water:	dispersible	
Density:	app. 1,0	g/cm ³ (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: The product is dispersible in water. Its ingredients are easily biodegraded or assimilated.

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.
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®-955/H are TSCA-, EINECS- and DSL-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

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Version: 02
Product: PAT®-970/P

1.0 PRODUCT NAME AND SUPPLIER:

Trade Name: PAT®-970/P
Use Conditions: Plasticizer-Preparation for industrial applications for the processing of plastics, in car manufacture and in construction by trained staff
Application Domains: When revising this safety data sheet no indication existed referring to restrictions of the ingredients with respect to certain applications. Identified sectors of end-use: e.g. SU3 (industrial uses) and SU21 (consumer uses); identified product categories: e.g. PC20 (processing aids); identified process categories: e.g. PROC1 (closed processes), PROC5 (mixtures), PROC8a/8b/9 (transfer into small containers), PROC10 (application by roller or brushing) and PROC13 (dipping and pouring); identified environmental release categories: e.g. ERC1, ERC2, ERC4, ERC6a, ERC8a and ERC8d.
Supplier: E. und P. Würtz GmbH & Co. KG
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D-55411 Bingen/Rhein
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2.0 HAZARDS IDENTIFICATION:

Labelling and Classification

according to Directive EU No. 1272 / 2008 (CLP)

This product is not classified according to directive 1272/2008 (EU).

3.0 COMPOSITION / CHEMICAL DESCRIPTION:

Chemical Description: Plasticizer-Preparation
Hazardous Ingredients: Description: Ethandiole
CAS-No.: 107-21-1
REACH-No.: 01-2119456816-28-xxxx
Concentration: > 3 %



GHS-Labels: (GHS07) (GHS08)
Code: WARNING
Hazard Indications: H 302 Harmful if swallowed
H 373 May cause damage to organs (kidney) through prolonged or repeated exposure
Safety Statements (prevention): P 260 Do not breathe dust/fume/gas/mist/vapours/spray.
P 262 Do not get in eyes, on skin, or on clothing.
P 264 Wash thoroughly with plenty of water and soap after handling.
P 270 Do not eat, drink or smoke when using this product.
P 280 Wear protective gloves/protective clothing/eye protection/face protection
Safety Statements (response): P 281 Use personal protective equipment as required.
P 301+P 330 IF SWALLOWED: Rinse mouth.
P 311 Call a POISON CENTER or doctor / physician.
P 303+P 361+P 353 IF ON SKIN (or hair): Remove / take off immediately all contaminated clothing. Rinse skin with water / shower.
Safety Statements (storage): P 405 Store locked up.
Safety Statements (disposal): P 501 Dispose of contents/container to a waste treatment plant
Hazard determining Component(s): Ethandiole
Classification: Acute Toxicity Category 4 H 302
Spec. Target-Organ-Toxicity Category 2 H 373
Other Hazards: None known.

4.0 FIRST AID MEASURES:

General Recommendations: In case of contamination move away from product and take off immediately all contaminated clothing.
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 persists, get medical attention.
Eye contact: Flush with large amounts of water for at least 15 minutes, keeping eyelids open. Get medical attention.
Ingestion: Immediately clean mouth thoroughly with water and drink plenty of water. Do NOT induce vomiting. Consult medical doctor.
Specific Hazards / Effects: May enter the lungs after ingestion and/or vomiting.
Further information: Treatment of symptoms and supportive therapy as indicated (decontamination, vital functions). Specific antidote: unknown.

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5.0 FIRE FIGHTING MEASURES:

Extinguishing Media: CO₂, dry chemical, foam
Unsuitable Extinguishing Media: none
Specific Hazards: none known
Hazardous Combustion Products: The typical combustion products like carbon-monoxide (CO) and carbon-dioxide (CO₂) may occur. In contact with air, vapors may form explosive mixtures.
Special Equipment: Wear suitable respiratory equipment and fire-proof clothing.
Further Information: Cool down containers close to fire by spraying water to the hull. Collect used extinguishing media and dispose of according to section 13.0.

6.0 ACCIDENTAL RELEASE MEASURES:

Personal Procedures: Safeguard scene of accident / leakage / spill. Wear personal protective equipment. Avoid contact with skin and eyes, do not breathe vapors / fumes. See to an adequate ventilation.
Environmental Procedures: Do not dispose of to drains, sewers or public waterways. Notify authorities in case of soil contamination.
Spill and Leak Procedures: See to an adequate ventilation. Spills should be taken up mechanically with suitable absorbent and placed in suitable containers.
Further Information: Dispose of contaminated product according to section 13.0.

7.0 HANDLING AND STORAGE:

General Recommendations: The hygiene and safety procedures typical of working with chemicals should be followed. Avoid contact with skin and eyes. Safeguard scene of accident / leakage / spill. Do not smoke.
Hygiene Procedures: Keep away from food stuffs, drinks and feed stuffs. Prior to pauses and after work thoroughly wash your hands. Do not smoke.
Protection against Explosion: Storage class: 12 (non flammable liquids)
Co-storage Information: Not available.
Further Information on storage conditions: Store in a well ventilated, dry and cool place. Follow storage-directives for water endangering products.
Further Information: Keep container well sealed. Employ product only in well ventilated areas.

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION:

Information on equipment: see section 7.
Maximum Exposure Limits: MEL (Ethandiole): 26 mg/m³ or 10 ml/m³ (TRGS 900)
DNEL (workers, dermal contact, chronic effects): 106 mg/kg
DNEL (workers, breathing, chronic effects): 35 mg/m³
PNEC (sweet water): 10 mg/l
PNEC (sea water): 1 mg/l
PNEC (sweet water-sediment): 37 mg/kg
PNEC (sea water-sediment): 3,7 mg/kg
PNEC (ground): 1,53 mg/kg
General Hygiene and Protection Measures: Do not eat, drink or smoke during work. Keep away from food stuffs, drinks and feed stuffs. Take off immediately all contaminated clothing. Avoid contact with skin and eyes. Wash hands thoroughly before pauses and after work.
Respiratory Equipment: Wear mask with filter type A-P2 according to EN 14387; during intensive prolonged exposition, wear suitable respiratory equipment.
Skin Protection: Wear suitable dissipative and chemically resistant gloves according to EN 388, EN 1149-1 and EN 1149-2 in conjunction with EN 374.
Eye Protection: Wear safety glasses with side shields (f.i. according to EN 166)
Body Protection: Wear antistatic shoes according to EN 20345, apron, suitable protective clothing
Further Information: It is recommended to install an automatic eye-flush-system close to the working place.
The personal protection equipment should match the actual working conditions in terms of its design and features. Due to the abundance of protective equipment / materials details on behalf of the personal protection equipment should be discussed with the suppliers of this equipment.

9.0 PHYSICAL AND CHEMICAL PROPERTIES:

Appearance / Color / Odor: liquid / colorless-slightly yellowish / weak
Boiling Point: > 100 °C
Flashpoint: > 61 °C (DIN 51755)
Vapor Pressure: app. 0,4 hPa at 20 °C (Literature)
Density: ca. 1 kg/L
Solubility in water: miscible

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10.0 STABILITY AND REACTIVITY:

Stability: Stable in normal use.
Incompatibilities: None known.
Hazardous Reactions: In contact with air, vapors may form explosive mixtures.
Hazardous Decomposition Products: None known in normal industrial use. In case of combustion carbon-monoxide (CO) and carbon-dioxide (CO₂) may be generated.

11.0 TOXICOLOGICAL INFORMATION:

All data have been derived of the ingredients' or similar products' data.
Toxicity Oral LD₅₀: > 2.000 mg/kg (rat, male)
Irritation: Eyes: not irritant
Skin: not irritant
Inhalation: not irritant
Sensitization: Not sensitizing.
Further Information: Not mutagen (Ames-test).

12. ECOLOGICAL INFORMATION:

All data stem from results obtained for the ingredients or comparable products.
Biologic Degradation: All ingredients are biodegraded.
Bioaccumulation: Not to be expected.
Fish-Toxicity: LC₅₀: > 10 mg/l

13. DISPOSAL CONSIDERATIONS:

Product: Waste disposal should be in accordance with existing Community, National and local regulations. Recommended: Incineration. Do not release to (public) waterways / drains. Do not release together with regular waste.
EAK-Number: The classification has to be made according to the EAK-directive with respect to the area and process of application.
Empty container: Recycling should be preferred over disposal. The disposal of empty containers must be in accordance with the requirements for the disposal of the product.

14. TRANSPORT INFORMATION:

No dangerous good.

15. REGULATORY INFORMATION:

National Laws (Germany):
Limitations of Employment: Follow JarbSchG and Mutterschutzrichtlinienverordnung (youth employment and pregnancy restrictions)
Water-contaminating class (D, A, CH): WGK 1 slightly hazardous to water (VwVWS 17.05.1999)

16. OTHER INFORMATION :

All ingredients are TSCA- and EINECS-listed or exempted. 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. It is the obligation of the user to ensure that all legal requirements are fulfilled when this product is used.