

1.0 PRODUCT NAME AND SUPPLIER:

Trade Name: PAT®-6288

Use Conditions: pH-Neutralizer- / Buffer-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. Likewise, when revising this safety data sheet no indications existed referring to identified sectors of end-use, product-, process- and environmental release categories.

Supplier: E. und P. Würtz GmbH & Co. KG
In der Weide 13 und 18
D-55411 Bingen/Rhein

Emergency: Telephone: +49 (0) 6721 / 9690-0
Fax: +49 (0) 6721 / 9690-40
www.wuertz.com
info@wuertz.com

2.0 HAZARDS IDENTIFICATION:

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



GHS-Labels:	(GHS05)	(GHS07)
Code:	DANGER	
Hazard Indications:	H 302	Harmful if swallowed
	H 318	Causes serious eye damage
Safety Statements (prevention):	P 261	Avoid breathing 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
	P 281	Use personal protective equipment as required.
Safety Statements (response):	P 305+P 351+P 338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P 310	Immediately call a POISON CENTER or doctor/physician
	P 313+P 337	If eye irritation persists: Get medical advice/attention
	P 370+P 378	In case of fire: Use CO ₂ or foam for extinction.
	P 301+P 312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
	P 330	Rinse mouth
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):	Alkyleneoxide-based Polymers	
Classification:	Acute Toxicity	Category 4 H 302
	Eye Damage	Category 1 H 318
Other Hazards:	None known.	

Labelling and Classification according to Directive EU No. 1999/45

Labelling: This product requires labelling according to EU-directives and the German GefStoffV.

Xn – Harmful

Xi – Irritant



Risk phrases: R 22 (harmful if swallowed)
R 41 (risk of serious damage to eyes)

Safety phrases: S 23 (do not breathe gas/fumes/vapour/spray)
S 24/25 (avoid contact with skin and eyes)
S 36/39 (wear suitable protective clothing and eye/face protection)
S 62 (If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label)

Labelling and Classification according to HMIS

Health 1 (slight)
Flammability 2 (moderate)
Reactivity 0 (minimal)
Chronic 0 (minimal)

3.0 COMPOSITION / CHEMICAL DESCRIPTION:

Chemical Description: pH-Neutralizer- / Buffer-Formulation (aqueous preparation)
Hazardous Ingredients: Description: Alkyleneoxide-based Polymers
REACH-No.: not applicable
Concentration: < 30 %
Labelling: H302 (category 4), H318 (category 1) and Xn (R22), Xi (R41)

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. Do NOT induce vomiting. Consult medical doctor.
Specific Hazards / Effects: Breathing of product vapors may cause drowsiness and dizziness.
Further information: Treatment of symptoms and supportive therapy as indicated (decontamination, vital functions). Specific antidote: unknown.

5.0 FIRE FIGHTING MEASURES:

Extinguishing Media: CO₂, dry chemical, foam
Unsuitable Extinguishing Media: water
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.

Safety Data Sheet

according to 1907/2006 EU and 1272/2008 EU

E. u. P. Würtz GmbH & Co. KG

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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: No special precautions necessary.

Further Information on storage conditions: Store in a well ventilated, dry and cool place. Follow directives for slightly water endangering products. Keep away from excessive heat.

Further Information: Keep container well sealed. Employ product only in well ventilated places.

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION:

Information on equipment: see section 7.

Maximum Exposure Limits: None known.

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 preparation / clear - opalescent / typical

Flashpoint: > 100 °C (DIN 51758)

Vapour Pressure: app. 15 hPa at 20 °C

Density: ca. 1 kg/L

pH-Value: neutral (6 – 8 at 10 g/l water)

Solubility in water: miscible

10.0 STABILITY AND REACTIVITY:

Stability: Stable in normal use. Keep away from direct heat.

Incompatibilities: Stable in normal use.

Hazardous Reactions: None known in normal industrial use.

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:	300 mg/kg < LD ₅₀ < 2.000 mg/kg (rat, male)
Irritation:	Eyes:	in case of prolonged direct exposure irritation possible
	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:	LC ₅₀ > 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:

Labelling:	This product requires labelling according to EU-directives and the German GefStoffV. Xn – Harmful Xi - Irritant		
			
Risk phrases:	R 22 (harmful if swallowed) R 41 (risk of serious damage to eyes)		
Safety phrases:	S 23 (do not breathe gas/fumes/vapour/spray) S 24/25 (avoid contact with skin and eyes) S 36/39 (wear suitable protective clothing and eye/face protection) S 62 (If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label)		
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.