

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical name/ Trade name: **RESTRAINER NEUTRAL**

Application/use: photographic developer additive
Company name: Moersch Photochemie, Am Heideberg 48
D 50354 Hürth, Germany
Telephone: ++49 22 33 943137

2 HAZARDS IDENTIFICATION

Bad for health: Possibility of irreversible damage if swallowed. Danger of serious eye damage.
Sensitization by skin contact possible.

3 COMPOSITION/INFORMATION ON INGREDIENTS

This product is a preparation according to the law for chemicals.
Description: Aqueous solution containing inorganic and organic substances

Name	Content	CAS	EINECS	CLASSIFICATION
BENZOTRIAZOLE	4-7%	95-17-4	209-394-1	Xn R-22, 36
DIETHYLENE GLYCOL	15-20%	111-46-6	203-872-2	Xn R-22

Other information: further principal ingredient: Water

4 FIRST-AID MEASURES

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin: In case of contact, immediately flush skin with plenty of water.

Ingestion: If swallowed, DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

5 FIRE-FIGHTING MEASURES

Suitable extinguishing agents: Coordinate extinguishing precautions on the surrounding fire.
for security reasons None confessed.

unsuitable extinguishing agents:
Special endangerings of released by fire can be : carbon monoxide, carbon dioxide
the substance or the product itself

its waste products of combustion or
arising gasses: none

Special protection equipment **None of special equipment required.**

Additional notes: Product does not burn.

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6 ACCIDENTAL RELEASE MEASURES

Person drawee	Use personal protective clothing.
Precautions:	
Environment protective measures:	Don't let it drain into the sewage system/surface water/ground water.
proceedings for cleaning/binding:	liquid binding materials (e.g. sand, pebble sand sawdust, universal binding agents).
Additional notes:	Treat the taken material according to waste management section.

7 HANDLING AND STORAGE

Indications for safe contact:	At proper use none of special precautions required.
Points on fire-and explosion protection:	The product is not combustible.
Requirements on storerooms and containers:	None of special requirements necessary. Keep container tightly closed.
Together storage notes:	None of special precautions required.
More details on Storage conditions:	Recommended storage temperature: 5 to 25 C
Store class:	LGK 12 (VCI strategy)

8 OUTLINE DEMARCATION AND PERSONAL PROTECTION EQUIPMENT

HAND PROTECTION:	Not required
RESPIRATORY EQUIPMENT	Respiratory protection not required.
EYE PROTECTION	Use approved safety goggles or face shield.
OTHER PROTECTION	Wear appropriate clothing to prevent any possibility of skin contact.
Eye protection:	Tightly sealed safety glasses.

9 PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless
Smell:	Odourless.
pH value:	9.95(20 C)
Boiling-point/boiling area:	≥ 100 C
Melting point/glaze area:	≤ 0 C
Flaming point:	Not applicable.
Imflammatory/	Not inflammable.
Catching light temperature:	
Self flammability:	Not self-flammable

Fire promoting qualities:	Not combustible.
Danger of explosion:	No danger of explosion.
Vapor pression:	Remark: Corresponds to the vapor pression of water.
Density:	1.22 g/ml (20 C)
Pouring density:	Not applicable.
Solubility into water:	Mixable.
in other solvents:	No relevant data.
Distribution coefficient n-Oktanol/water:	No relevant data.
Dynamic viscosity:	no relevant data.
other details:	There are not further data.

10 STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known

Dangerous products of decomposition: No dangerous decomposition products known

11 TOXICOLOGICAL INFORMATION

Irritation-/ etching effect:	The details refer to the technical active agents
Skin:	irritating
Eyes:	irritating
Sensitization:	Sensitization of skin is possible.
Effect after repeated or longer continuous expose:	Possibility of irreversible damage if swallowed.
Other details:	No further data.
General remarks:	There are no toxicological data. The classification was carried out according the calculation proceedings of preparation guideline (88/379/EEC).

12 ECOLOGICAL INFORMATION

The product was not tested.

Remarks: Does not reach by correct use into the waste water.

13 INDICATIONS FOR WASTE MANEGEMENT

Product:	The corresponding local water-and waste regulations must be observed. Do not dispose with domestic garbage. Do not let it get into the sewage system.
European waste catalog:	09 00 00: Waste from the photographic industry 09 01 00: Waste from the photographic industry 09 01 01: Developer and activators on water base
Packing:	Not contaminated packings can be recycled . Empty packing completely, wash well (Cleaning agent: water), can be recycled afterwards

14 TRANSPORT INFORMATION

ADR CLASS: Not classified for transportation.
ROAD TRANSPORT NOTES: Not classified for road transport
RAIL TRANSPORT NOTES: Not classified for rail transport
SEA TRANSPORT NOTES: Not classified for sea transport
AIR TRANSPORT NOTES: Not classified for air transport

15 REGULATIONS

Identification by EC directives: **The product is classified and labeled according to EC guidelines (GefStoffVO)**
Classification letter: - danger symbol: **none**
Danger identification: -
R sentences: **R-36/38 Irritating to eyes and skin.
R-22 Harmful if swallowed**

S sentences: **S-2 Keep out of reach of children.
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-46 If swallowed seek medical advice immediately**

Remarks: This classification was carried out according to the calculation method for preparations guideline (88/379/EEC).

Technical instructions air: This TA isn't a subject.

16 OTHER INFORMATION

Use: Photographic developer

Further information:

These details refer merely on this above product and not needs to be valid, if this is occurred with another product or in an arbitrary process.

The information corresponds to our today's knowledge, it is correct and complete and with best conscience, given without a guarantee, though. It shall describe our product with a view to safety requirements and has therefore not the meaning to assure of certain qualities. The responsibility of the use of this product remains on the user whether the information is complete and suitable for his special use.

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