

SAFETY PRECAUTION SHEET

P : 1/4

S. A. SOFRALAB
STATION OENOTECHNIQUE DE CHAMPAGNE
MARTIN VIALATTE

79, Av. Thévenet - BP 1031 – MAGENTA

51319 EPERNAY CEDEX

Tel : 03 26 51 56 45

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N°1 Version of 25/09/98

Specification Rules conforming
to the norm NF ISO 11014.1

1 – Identification

Commercial designation : **BENTOTEST**

Supplier : Society MARTIN VIALATTE - 79 AV. A.A Thévenet - BP 1031 - 51319 MAGENTA

Tel. 03 26 51 56 45 - Fax 03 26 51 87 60

Emergency number : ORFILA 01 45 42 59 59

2 – Composition / Component Information

Aqueous solution, contains molybdenum compound and hydrochloric acid.

Weight % : 10-25

N° CAS : 7647 – 01 – 0

Hazard symbol : C

Index N° : 017 – 002 – 01 – X

R-phrases : 34 - 37

3 – Identification of dangers

Irritating to eyes, respiratory system and skin.

4 – First aid

Take off immediately all contaminated clothing.

After contact with skin, wash immediately with plenty of water, and soap.

Contamination of the eyes must be treated by thorough with water, with the eyelids held open.

A doctor (or eye specialist) should be consulted immediately.

If product is swallowed, let drink water, flush mouth repeatedly. Consult a doctor. Do not induce vomiting.

Product name : BENTOTEST**5 – In case of fire**

Extinguishing media : No restriction in fire situations.

6 – In case of accidental dispersion

Dam up acids with sand, dilute with plenty of water, neutralise with lime or sodium carbonate. Fill into labelled, sealable containers.

7 – Handling and storage

Store sealed in original container in a cool place. Keep away from alkalis and metals. Ensure adequate ventilation or exhaust ventilation in the working area.

8 – Exposure Control/Individual protection

For exposure controls see chapter 15.

Hand protection : Gloves in PVC

Eye protection : Goggles

Respiratory protection : Contamination filter against vapours and particles, e.g. DIN Z2- P2, if the Mack value is exceed.

Avoid contact with eyes and skin. Remove all contaminated clothing immediately.

9 – Physical and chemical properties

Tested in accordance with :

Aspect:	: Liquid.
Colour	: Yellow or colour less
Odor	: Slightly pungent
Solidifying point	: Below 0°C.
Boiling point	: Approx. 100°C
Density	: Approx. 1.03 g/cm ³ at 20°C.
Vapour pressure	: Approx. 20 mbar at 20°C.
Solubility in water	: Miscible.
pH value	: highly acidic.
Flash point	: No flash point.
Ignition temperature	: Not inflammable.
Explosive limits	: Not inflammable.

Product name : BENTOTEST**10 – Stability and reactivity**

Thermal decomposition : No decomposition below initial boiling point.
 Hazardous decomposition products : No hazardous decomposition products observed.
 Hazardous reactions : Evolution of gas during neutralisation.
 Evolves hydrogen on contact with non noble metals.

11 – Toxicological information

Irritating to eyes, respiratory system and skin.

12 – Ecological information

Fish toxicity : LC 50 : 862 mg/l (HCL 1N) (L. Roth; water – polluting substances)
 Toxic effect on fishes, plankton and on sedentary organisms, also through shifting of pH value.
 Cause no biological oxygen consumption.
 Water pollution class (WGK) : 1 – Slightly hazardous to water (own classification)
 WGK : classification in accordance with the German Water Resources Act.

13 – Disposal/After use procedures

Neutralise small amounts with e.g. lime, sodium carbonate carefully, then rinse away with plenty of water. May be added to waste water in sufficiently diluted local regulation are observed.

pH : Value is to be between 6 and 8.5.

14 – Transportation information

GGVSee/MDG Code : 8 UN N° : 1789 MF AG : 700 EmS : 8 03
 PG : II MPO : NO
 GGVE/GGVS : Class 8 N° : 5b RID/ARD : Class 8 N° : 5b.
 Warning sign : Hazard no : 080 Substance no : 1789
 ADNR : Class 8 N° : 5 Cat. : ICAO/IATA – DGR : 8 1789 II
 Declaration for land shipment : Salzsäure 10-25% - Acide chlorhydrique 10-25%
 Declaration for sea shipment : Hydrochloric acid solution.
 Declaration for shipment by air : Hydrochloric acid solution.
 Other information : Corrosive pungent smelling. Keep away from foodstuffs, acids and alkalis.

Product name : BENTOTEST

15 – Regulatory information

Labeling accordance with Annex I of directive 67/548/EEC and its amendments and adaptations:

Symbol : Xi, Hazard description : irritant

Contains : < 25% hydrochloric acid

R 36/37/38 : Irritating to eyes, respiratory system and skin.

S 1 / 2 : Keep locked up and out of reach of children.

S 26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label as far as possible).


Hydrochloric acid : MAK value : 5 ppm (7 mg/m³)


Peak concentration limit according to category I.

Pregnancy group : C

Not subject to the German Regulation on Flammable Liquids (VbF).

16 – Other information

 This sheet completes the technical utilisation manual but does not replace it. The formation contained within is based on the level of our knowledge relative to the product at the date indicated. It is given in good faith. The attention of the users is above all drawn to the eventual risks taken for the products usage in situations other than that for which is was conceived.

In no situation should the disregard the precautions outlined for the products use. The user assumes the sole responsibility for following the precautions listed in regards to their utilisation of the product .