

(EC) 1907/2006 / (EU) 453/2010 / (EC) 1272/2008 (CLP)

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product: TARTARIC ACID

Reference: DP-11108

Component: R2

Intended use: food analysis

Recommended restrictions on use: for professional users only

Identification of the company: DNAPhone S.r.l., Viale Mentana 150, 43121 Prma (Italy)

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In Emergencies: poison control center Niguarda Great Metropolitan Hospital, Milano (Italy), +39 02 66101029, or the analogous Centre near your Reference Hospital

2. HAZARDS IDENTIFICATION

Classification: acute toxicity, Oral (Category 3), H301
acute toxicity, Inhalation (Category 4), H332
eye irritation (Category 2), H319
specific target organ toxicity - repeated exposure, Inhalation (Category 1), Respiratory Tract, H372
long-term (chronic) aquatic hazard (Category 2), H411



Pictogram:

GHS08 GHS09

Signal word: danger

Hazardous ingredients: ammonium metavanadate, ammonium trioxovanadate

Hazard statements: H301 - Toxic if swallowed.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H372 - Causes damage to organs (Respiratory Tract) through prolonged or repeated exposure if inhaled.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements: P273 - Avoid release to the environment.
P301+P310+P330 - IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.
P304+P340+P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 - Get medical advice/ attention if you feel unwell.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: ammonium metavanadate 0.5 % w/v

4. FIRST AID MEASURES

In case of inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of contact with eyes: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If accidentally swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Thermal decomposition: no decomposition if used according to specifications.

6. ACCIDENTAL RELEASE MEASURES

Procedure to be followed on spillage: use sufficient amount of water to dilute spilled product and then absorb.

Absorbent material: no restriction.

7. HANDLING AND STORAGE

Handling: no special requirements.

Storage: dry, at +2 °C to +8 °C. Contamination is to be avoided. Do not freeze the reagent.

Do not store together with: no restriction.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Application of minimum protective standards is necessary. Reagents contain sodium azide and ammonium metavanadate. These are poisonous chemical. When handling this product, we recommended wearing protective gloves and glasses. It is important to avoid direct contact with skin. Rubbing of the face or eyes should be avoided when wearing protective gloves that have been in contact with the reagent. Wash hands after finishing work. Avoid swallowing and do not store together with food.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form, color and pH: vial, colorless liquid, pH=10;

10. STABILITY AND REACTIVITY

Hazardous decomposition products: no decomposition if used according to specifications.

Avoidable conditions & substances: None known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Oral - Rat - 169 mg/kg
(OECD Test Guideline 401)

LC50 Inhalation - Rat - 4 h - 2,5 mg/l (OECD Test Guideline 403)

LD50 Dermal - Rat - > 2.500 mg/kg (OECD Test Guideline 402)

LD50 Intraperitoneal - Rat - 18 mg/kg

Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation - 4 h (OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes - Rabbit

Result: Eye irritation (OECD Test Guideline 405)

12. ECOLOGICAL INFORMATION

Toxicity to fish LC50 - Ictalurus catus (catfish) - 2,6 mg/l - 96 h Remarks: (ECOTOX Database)

Biological degradability: not known.

Biological effects: contains Sodium azide <0,1 %w/v, Azides are toxic for water organisms.

Water hazard: class 3 according to German Federal regulations.

13. DISPOSAL CONSIDERATIONS

Waste disposal: there are no uniform regulations for the disposal of chemicals. The disposal is regulated through corresponding regional laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies, which will advise you on how to dispose the waste.

Disposal of empty packaging: dispose according to the regulations of the public authorities, clean them beforehand.

14. TRANSPORT INFORMATION

This product is not subject to current regulations for transportation of hazardous goods.

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation UE 453/2010.

16. OTHER INFORMATION

This Material Safety Data Sheet contains information believed to be accurate and complete at the date of preparation. The statements contained herein are offered for informational purposes only and should be used only as a guide. DNAPhone S.r.l. believes them to be accurate but does not purport to be all-inclusive. The above-stated product is intended for use only by persons having the necessary technical skills and facilities for handling the product at their discretion and risk. Since conditions and manner of use are outside our control, we (DNAPhone srl) make no warranty of merchantability or any such warranty, express or implied with respect to information. Furthermore we assume no liability resulting from the above product or its use. Users should make their own investigations to determine suitability of information and product for their particular purposes. Accordingly, DNAPhone S.r.l. will not be responsible for damages resulting from use of or reliance upon this information.