



WORK INSTRUCTIONS FOR ISOPROPANOL, 2-PROPANOL



Hazard statements

- H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion- proof electrical/ ventilating/ lighting/ equipment.
P242 Use non-sparking tools.
P305 + P351 + P338 IF IN THE EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Use

Isopropanol is on the list of peroxide-forming chemicals (Group B) and must therefore be handled properly and in accordance with specific procedures.

- Bottles with isopropanol must be stored in a fireproof cabinet, and only small quantities can be stored in the laboratory.
- The isopropanol bottles must be marked with special labels on arrival.
- The bottles must be marked with the date and signature when first opened.
- After the bottle has been opened, it must be checked for peroxide formation every 3 months.
- The date and signature of the inspection must be noted on the bottle.
- Recommended storage time after opening the bottle is 6 months.
- The bottle must be sent as hazardous waste within 12 months. After it is opened.
- An unopened bottle can be stored for a maximum of 18 months.

Peroxide formation test

Opened bottles must be tested for peroxide formation every 3 months using peroxide test strips from Merck. Cat. No 1.10011 (0.5-0.25 mg/L).



Waste management

Expired isopropanol should be disposed of as hazardous waste.

Use the following waste numbers:

7042: in original packaging, pure chemical - not mixed.

7152: In mixture (main ingredient organic solvent) or in unoriginal packaging.

For any questions related to handling waste, contact the lab manager or the waste contacts at BIO, see the HSE manual for a list of contact persons.

Preparedness

Secure area in the event of an accident

- Locate the chemical “emergency kit” located near your laboratory.
- Report incident

First aid

- For first aid measures, read section 4 of the safety data sheet.
- General recommendation, contact the emergency room and show the safety data sheet
- In case of inhalation, fresh air, contact a doctor
- In case of skin contact, wash with water and remove contaminated clothing
- In case of eye contact: rinse with plenty of water and contact a doctor. Remove lenses if this is possible.

Emergency room: 116117

Ambulance: 113

References:

The HSE portal, [peroxide-forming chemicals](#)