

# STORAGE & STABILITY GUIDELINES

FOR REAGENTS COMMONLY USED IN WINE ANALYSIS

REAGENT	WARNING	SHELF LIFE	RECOMMENDED STORAGE AFTER OPENING
ALCOHOL, ISOPROPYL, 70%	POISON, FLAMMABLE	1 YEAR	FLAMMABLE LIQUID STORAGE, CLOSED CONTAINER
ALCOHOL, ANHYDROUS	POISON, FLAMMABLE	1 YEAR	FLAMMABLE LIQUID STORAGE, CLOSED CONTAINER
AMINO NITROGEN ANALYSIS CHEMICALS:			
NAC (N-ACETYL-L-CYSTEINE)	CONTACT & INHALATION HAZARD	3—6 MONTHS (DRY) 1—3 DAYS (MIXED)	REFRIGERATE
OPA (PHTHALDIALDEHYDE)	IRRITANT	3—6 MONTHS (DRY) 1—5 DAYS (MIXED)	REFRIGERATE
AMMONIUM HYDROXIDE	CORROSIVE	INDEFINITE	GENERAL STORAGE
BUFFER, PH 4.0 OR PH 7.0	NOT A HEALTH HAZARD	4—12 MONTHS	GENERAL STORAGE
CADMIUM SULFATE, 1%	POISON, DO NOT TASTE TREATED WINE SAMPLES	INDEFINITE	GENERAL STORAGE
COPPER SULFATE, 1%	POISON	INDEFINITE	GENERAL STORAGE
DEXTRROSE, 0.5%	NOT A HEALTH HAZARD	3—6 MONTHS (OR UNTIL MOLD FORMS)	REFRIGERATE
FEHLINGS A (COPPER SULFATE)	POISON	3—6 MONTHS	GENERAL STORAGE IN DARK
FEHLINGS B (ALKALINE POTASSIUM-SODIUM TARTRATE)	CORROSIVE, IRRITANT	3—6 MONTHS	GENERAL STORAGE IN DARK
FOLIN-CIOCALTEU	CORROSIVE, SEVERE POISON, REPRODUCTIVE TOXIN	6—12 MONTHS	TIGHTLY CLOSED IN DARK
GOLD COAST SOLUTIONS:			
#1 (COPPER SULFATE)	POISON	INDEFINITE	GENERAL STORAGE IN DARK
#2 (ALKALINE POTASSIUM-SODIUM TARTRATE)	CORROSIVE, IRRITANT	3—6 MONTHS	GENERAL STORAGE IN DARK
#3 (POTASSIUM IODIDE)	IRRITANT, WILL STAIN	3—6 MONTHS	GENERAL STORAGE IN DARK
#4 (SULFURIC ACID)	CORROSIVE, IRRITANT	INDEFINITE	ACID STORAGE
#5 (STARCH)	SLIGHT IRRITANT	6 MONTHS (OR UNTIL MOLD FORMS)	GENERAL STORAGE IN DARK
#6 (SODIUM THIOSULFATE)	IRRITANT	3—6 MONTHS	TIGHTLY CLOSED IN DARK
HYDROCHLORIC ACID, 0.01N OR 0.1N	NOT A HEALTH HAZARD	6—12 MONTHS	GENERAL STORAGE
HYDROGEN PEROXIDE, 3%	IRRITANT	2—4 MONTHS	REFRIGERATE
HYDROGEN PEROXIDE, 30%	STRONG OXIDIZER; DO NOT TOUCH	6 MONTHS	REFRIGERATE
IODINE, 0.02N	IRRITANT, STAINS, STANDARDIZE FREQUENTLY	3—6 MONTHS	REFRIGERATE OR COOL DARK PLACE
INDICATOR FOR A/O SO <sub>2</sub>	FLAMMABLE, STAINS	INDEFINITE	GENERAL STORAGE
CHROMATOGRAPHY SOLVENT, MALOLACTIC	FLAMMABLE, STAINS, IRRITANT, AVOID BREATHING FUMES	1 YEAR	TIGHTLY CLOSED IN DARK
PHENOLPHTHALEIN INDICATOR, 1%	FLAMMABLE, IRRITANT	INDEFINITE	GENERAL STORAGE
PHOSPHORIC ACID, 25%	CORROSIVE	INDEFINITE	ACID STORAGE WITH SECONDARY CONTAINMENT
SODIUM HYDROXIDE, 0.01N	STANDARDIZE FREQUENTLY	1—3 MONTHS	GENERAL STORAGE, TIGHTLY CLOSED
SODIUM HYDROXIDE, 0.1N	IRRITANT, STANDARDIZE FREQUENTLY	3—12 MONTHS	GENERAL STORAGE, TIGHTLY CLOSED
SODIUM HYDROXIDE, 1N OR 10%	CORROSIVE	INDEFINITE	GENERAL STORAGE, TIGHTLY CLOSED
SODIUM THIOSULFATE, 0.02N	IRRITANT	3—6 MONTHS	REFRIGERATE
STARCH, 1%	POISON WHEN PRESERVATIVE ADDED	6 MONTHS	REFRIGERATE
SULFURIC ACID, 1+3	CORROSIVE, POISON, VERY REACTIVE	INDEFINITE	ACID STORAGE WITH SECONDARY CONTAINMENT

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