

MATERIAL SAFETY DATA SHEET (MSDS) HAZARD INFORMATION

MOLECULAR BIOLOGY CHEMICALS	Physical-Health Hazards	Risk Category
Acrylamide-bis acrylamide 19:1, powder mix and 40% liquid TOXIC: Carc Cat 2; Muta Cat 2; Repro Cat 3	May cause cancer May cause heritable genetic damage Harmful by inhalation, in contact with the skin and if swallowed Toxic if swallowed Irritating to eyes and skin May cause sensitisation by skin contact Toxic: Danger of serious damage to health by prolonged exposure through inhalation and if swallowed Possible risk of impaired fertility	R45 R46 R20/21 R25 R36/38 R43 R48/23/24/25 R62
Ethidium bromide	Harmful if swallowed Very toxic by inhalation Irritating to eyes, respiratory system and skin Possible risk of irreversible effects	R22 R26 R36/37/38 R68
N,N,N',N'-tetramethylethylenediamine (TEMED)	Highly Flammable Harmful by inhalation and if swallowed Causes burns	R11 R20/22 R34
Ammonium persulphate	Contact with combustible material may cause fire Harmful if swallowed Irritating to eyes, respiratory system and skin May cause sensitisation by inhalation and skin contact	R8 R22 R36/37/38 R42/43
Boric acid	Irritating to eyes, respiratory system and skin Possible risk of impaired fertility Possible risk of harm to the unborn child	R36/37/38 R62 R63
CTAB (Hexadecyltrimethylammonium bromide)	Harmful if swallowed Irritating to respiratory system and skin Risk of serious damage to eyes Very toxic to aquatic organisms	R22 R37/38 R41 R50
Hederol liquid detergent	Irritating to the eyes Risk of serious damage to eyes Very toxic to aquatic organisms	R36 R41 R50
Sodium dodecyl sulphate (lauryl sulphate)	Harmful by inhalation, in contact with the skin and if swallowed Irritating to eyes, respiratory system and skin	R20/21/22 R36/37/38
3-methacryloxypropyltrimethoxysilane (Silane A174)	Irritating to eyes, respiratory system and skin	R36/37/38
TAE Buffer 10X solution	Irritating to eyes, respiratory system and skin	R36/37/38
Tris-Borate-EDTA buffer 10X solution	Irritating to eyes, respiratory system and skin	R36/37/38
EDTA disodium salt, dihydrate	Irritating to eyes, respiratory system and skin	R36/37/38
Tris Ultrapure	Irritating to eyes, respiratory system and skin	R36/37/38
Silica gel	Harmful by inhalation Irritating to respiratory system	R20 R37
Potassium chloride	Irritating to the eyes	R36

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Sodium hydroxide pellets	Causes Severe Burns	R35
Lactic acid	Irritating to respiratory system and skin Risk of serious damage to eyes	R37/38 R41
Potassium bromide	Irritating to the eyes	R36
Kieselguhr diatomaceous earth	Harmful by inhalation Irritating to the respiratory system	R20 R37
Potassium chloride	Irritating to the eyes	R36
Sand acid washed	Harmful by inhalation Irritating to the respiratory system	R20 R37
Streptomycin sulphate	Harmful by inhalation, in contact with skin, and if swallowed Irritating to eyes, respiratory system and skin May cause sensitisation by inhalation and skin contact May impair fertility May cause harm to the unborn child	R20/21/22 R36/37/38 R42/43 R60 R61
Sodium hydrogen carbonate	Irritating to the eyes	R36
Methyl Violet 2B	Harmful if swallowed Irritating to the eyes	R22 R36
7-Chlorotetracycline monohydrochloride	Possible risk of harm to an unborn child	R63
Pimaricin	Irritating to eyes, respiratory system and skin	R36/37/38
Rifampicin	Irritating to eyes, respiratory system and skin	R36/37/38