SAFETY DATA SHEET

Cat# BN00402 -30, -125; ml Gram Stain Kit

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **Gram Stain Kit**

PRODUCT CODES: **Cat# BN00402 -30, -125**

MANUFACTURER: **Assay Genie (brand of Reagent Genie Ltd.)**

ADDRESS: **G1 The Steelworks, Foley Street, Dublin 1**

EMERGENCY PHONE: **+353 1 8879802**

SECTION 2: HAZARDS IDENTIFICATION

Component	Description	BN00402	BN00403	Safety Information
Gentian Violet Solution	Contains EtOH	30 ml	125 ml	See below
Lugol's Iodine Solution	Liquid	30 ml	125 ml	No hazards
Gram's Decolorizer Solution	Contains EtOH & acetone	30 ml x 2	125 ml	See below
Carbol Fuchsin Counterstain	Contains EtOH and Phenol	30 ml	125 ml	See below
Tartrazine Solution	Liquid	30 ml	125 ml	No hazards

Ethanol:

Emergency Overview

OSHA Hazards: Combustible liquid, Target organ effect, Irritant, Carcinogen

Target Organs: Nerves, Liver, Heart

GHS Classification: Flammable liquids (Category 3)
Skin irritation (Category 2)
Eye irritation (Category 2B)
Specific target organ toxicity – single exposure (Category 3)

GHS Label elements, including precautionary statements

Pictogram:

Signal word: Warning

Hazard statement(s): H226 Flammable liquid and vapor.
H315+H320 Causes skin and eye irritation.
H335 May cause respiratory irritation.

Precautionary statement(s): P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification

- **Health hazard**: 2
- **Chronic health hazard**: *
- **Flammability**: 2
- **Physical hazards**: 0

NFPA Rating

- **Health Hazard:** 2
- **Fire**: 2
- **Reactivity Hazard**: 0

Potential Health Effects

- **Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.
- **Skin:** May be harmful if absorbed through skin. Causes skin irritation.
- **Eyes:** Causes eye irritation.
- **Ingestion:** May be harmful if swallowed.

Acetone:

Emergency Overview

OSHA Hazards: Flammable liquid, Target organ effect, Irritant

SAFETY DATA SHEET

Cat# BN00402 -30, -125; ml Gram Stain Kit

Target Organs: Liver, Kidney

GHS Classification:
Flammable liquids (Category 2)
Skin irritation (Category 3)
Eye irritation (Category 2A)
Specific target organ toxicity – single exposure (Category 3)

GHS Label elements, including precautionary statements

Pictogram:

Signal word: Danger

Hazard statement(s):
H225 Highly flammable liquid and vapor.
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statement(s):
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification
- **Health hazard**: 2
- **Chronic health hazard**: *
- **Flammability**: 3
- **Physical hazards**: 0

NFPA Rating
- **Health Hazard:** 2
- **Fire**: 3
- **Reactivity Hazard**: 0

Potential Health Effects
- **Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness.
- **Skin:** May be harmful if absorbed through skin. Causes skin irritation.
- **Eyes:** Causes eye irritation.
- **Ingestion:** May be harmful if swallowed.

Phenol:

Emergency Overview

OSHA Hazards: Target organ effect, Toxic by inhalation, Toxic by ingestion, Toxic by skin absorption, Corrosive, Mutagen

Target Organs: Central nervous system, Kidney, Liver, Pancreas, Spleen

Other hazards which do not result in classification: Rapidly absorbed through skin, Vessicant

GHS Classification:
Acute toxicity, Oral (Category 3)
Acute toxicity, Inhalation (Category 3)
Acute toxicity, Dermal (Category 3)
Skin corrosion (Category 1B)
Serious eye damage (Category 1)
Germ cell mutagenicity (Category 2)
Specific target organ toxicity – single exposure (Category 2)
Specific target organ toxicity – repeated exposure (Category 2)
Acute aquatic toxicity (Category 3)

GHS Label elements, including precautionary statements

Pictogram:

Signal word: Danger

Hazard statement(s):
H301+H311 Toxic if swallowed or in contact with skin.
H314 Causes severe skin burns and eye damage.
H331 Toxic if inhaled.
H341 Suspected of causing genetic defects.
H371 May cause damage to organs.
H373 May causes damage to organs through prolonged or repeated exposure.
H402 Harmful to aquatic life.

Precautionary statement(s):
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P307+P311 IF exposed: Call a POISON CENTER or doctor/physician.
P310 Immediately call a POISON CENTER or doctor/physician.

HMIS Classification
- **Health hazard**: 3
- **Fire hazard**: *
- **Flammability**: 0
- **Physical hazards**: 0

NFPA Rating
- **Health Hazard:** 3
- **Fire**: 2
- **Reactivity Hazard**: 0

Potential Health Effects
- **Inhalation:** Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
- **Skin:** Toxic if absorbed through skin. Causes skin burns.
- **Eyes:** Causes eye burns.

Ingestion: Toxic if swallowed.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	EC-No.	Molecular Weight	Chemical Formula
Phenol	108-95-2	203-632-7	94.11	C_6H_6O
Ethanol	64-17-5	200-578-6	46.07	C_2H_6O
Acetone	67-64-1	200-662-2	58.08	C_3H_6O

SECTION 4: FIRST AID MEASURES

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled: 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. Consult a physician.
In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed: DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

Ethanol & Acetone:
Condition of flammability: Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.
Hazardous combustion products: Hazardous decomposition products formed under fire conditions— see section 10.
Further information: Use water spray to cool unopened containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for cleaning up: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition – no smoking. Take measures to prevent the build up of electrostatic charge.
Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Recommended storage temperature: RT

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Phenol:

Components	CAS-No.	Value	Control parameters	Basis
Phenol	108-95-2	TWA	5 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks:	Central nervous system impairment, upper respiratory tract irritation, lung damage. Substances for which there is a Biological Exposure Index or Indices. Not classifiable as a human carcinogen. Danger of cutaneous absorption.			
		TWA	5 ppm 19 mg/m^3	USA. OSHA – Table Z-1 Limits for Air Contaminants – 1910.1000
	Skin notation.			
		STEL	5 ppm 19 mg/m^3	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
	Skin designation. The value in mg/m^3 is approximate.			
		TWA	5 ppm 19 mg/m^3	USA. NIOSH recommended exposure limits
	Potential for dermal absorption. 15 minute ceiling value.			
		C	15.6 ppm 60 mg/m^3	USA. NIOSH recommended exposure limits
	Potential for dermal absorption. 15 minute ceiling value.			

Ethanol:

Components	CAS-No.	Value	Control parameters	Basis
Ethanol	64-17-5	TWA	1,000 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks: Upper respiratory tract irritation. Confirmed animal carcinogen with unknown relevance to humans.				
		TWA	1,000 ppm 1,900 mg/m^3	USA. OSHA: TABLE Z-1 Limits for Air Contaminants – 1910.1000
		TWA	1,000 ppm 1,900 mg/m^3	USA. Occupational Exposure Limits (OSHA): Table Z-1 Limits for Air Contaminants
	The value in mg/m^3 is approximate.			
		TWA	1,000 ppm 1,900 mg/m^3	USA. NIOSH recommended exposure limits

Acetone:

Components	CAS-No.	Value	Control parameters	Basis
Acetone	67-64-1	TWA	500 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks:	Eye & upper respiratory tract irritation. Central nervous system impairment. Hematologic effects. Substances for which there is a Biological Exposure index or Indices (see BEI ® section). Not classifiable as a human carcinogen.			
		STEL	750 ppm	USA. ACGIH Threshold Limit Values (TLV)
	Eye & upper respiratory tract irritation. Central nervous system impairment. Hematologic effects. Substances for which there is a Biological Exposure index or Indices (see BEI ® section). Not classifiable as a human carcinogen.			
		TWA	750 ppm 1,800 mg/m^3	USA. OSHA – Table Z-1 Limits for Air Contaminants – 1910.1000
	The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors.			
		STEL	1,000 ppm 2,400 mg/m^3	USA. OSHA – Table Z-1 Limits for Air Contaminants – 1910.1000
	The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors.			
		TWA	1,000 ppm 2,400 mg/m^3	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
	The value in mg/m^3 is approximate.			
		TWA	250 ppm 590 mg/m^3	USA. NIOSH recommended exposure limits
	Potential for dermal absorption.			

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection

Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Phenol	Ethanol	Acetone
Appearance:	Solid	Clear liquid	Clear liquid
pH:	6.0	No data available	No data available
Water Solubility:	No data available	Completely soluble	Completely soluble
Other Solubility:	No data available	No data available	No data available
Boiling Point (°C):	182 °C (360 °F)	78-80 °C (172.4-176 °F)	56 °C (133 °F)
Melting Point (°C):	40-42 °C (104-108 °F)	-144 °C (-227.2 °F)	-94 °C (-137 °F)
Flash Point (°C):	79.0 °C (174.2 °F) – closed cup	14 °C (57.2 °F)	-17 °C (1.4 °F) – closed cup
Ignition Temperature (°C):	715 °C (1,319 °F)	363 °C (685°F)	465 °C (869 °F)
Density:	1.071 g/ml at 25 °C (77 °F)	0.79 g/cm^3	0.791 g/cm^3 at 25 °C (77 °F)

SECTION 10: STABILITY AND REACTIVITY

Property	Acetone	Ethanol	Phenol
Chemical stability:	Stable under recommended storage conditions		
Conditions to avoid:	Heat, flames, sparks, extreme temperatures, direct sunlight	Heat, flames, sparks, extreme temperatures, direct sunlight	No data available
Materials to avoid:	Bases, oxidizing agents, reducing agents, phosphorus oxychloride	Oxidizing agents, alkali metals, ammonia, peroxides	Strong oxidizing agents, strong bases
Hazardous decomposition products:	Carbon oxides	Carbon oxides	Carbon oxides

SECTION 11: TOXICOLOGICAL INFORMATION

Phenol:

Acute toxicity: LD50 Oral – rat – 317 mg/kg Remarks: Behavioral: convulsions or effect on seizure threshold.
LD50 Oral – rat – 410-650 mg/kg
LC50 Inhalation – rat – 900 mg/m^3 – 8 h
LD50 Dermal – rabbit – 630 mg/kg
Skin corrosion/irritation: Skin – rabbit – severe skin irritation – 24 h
Serious eye damage/eye irritation: Eyes – rabbit – severe eye irritation
Respiratory or skin sensitization: no data available
Germ cell mutagenicity: In vitro tests showed mutagenic effects.
Carcinogenicity: This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP or EPA classification.

IARC: 3 – Group 3: Not classifiable as to its carcinogenicity to humans (Phenol)

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available
Teratogenicity: no data available
Specific target organ toxicity – single exposure (GHS): no data available
Specific target organ toxicity – repeated exposure (GHS): May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard: no data available
Potential Health Effects

Inhalation: Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Skin: Toxic if absorbed through skin. Causes skin burns.
Eyes: Causes eye burns.
Ingestion: Toxic if swallowed.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been throughly investigated.
Synergistic effects: no data available
Additional information: RTECS: SJ3325000

Ethanol:
Acute toxicity: LD50 Oral – rat – 7,060 mg/kg Remarks: Lungs, thorax, or respiration : other changes
LC50 Inhalation – rat – 10 h – 20000 ppm
Skin corrosion/irritation: Skin – rabbit – irritating to skin – 24 h
Serious eye damage/eye irritation: Eyes – rabbit – mild eye irritation – 24 h (Draize test)
Respiratory or skin sensitization: no data available
Germ cell mutagenicity: no data available
Carcinogenicity: Carcinogenicity – mouse – oral Tumorigenic: equivocal tumorigenic agent by RTECS criteria. Liver: tumors. Blood: Lymphomas including Hodgkin's disease.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: Reproductive toxicity – human – female – oral Effects on newborn: apgar score (human only), other neonatal measures or effects, and drug dependence.
Teratogenicity: no data available
Specific target organ toxicity – single exposure (GHS): Inhalation – may cause respiratory irritation.
Specific target organ toxicity – repeated exposure (GHS): no data available
Aspiration hazard: no data available
Potential Health Effects

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.
Skin: May be harmful if absorbed through skin. Causes skin irritation.
Eyes: Causes eye irritation.
Ingestion: May be harmful if swallowed.

Signs and Symptoms of Exposure: Exposure may cause central nervous system depression, narcosis, and/or damage to the heart. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Additional information: RTECS: KQ6300000

Acetone:
Acute toxicity: LD50 Oral – rat – 5,800 mg/kg Remarks: Behavioral: Altered sleep time (including change in righting reflex) & Tremor
LC50 Inhalation – rat – 8 h – 50,100 mg/m^3
LD50 Dermal – guinea pig – 7,426 mg/kg
Skin corrosion/irritation: Skin – rabbit – mild skin irritation – 24 h
Serious eye damage/eye irritation: Eyes – rabbit – eye irritation – 24 h
Respiratory or skin sensitization: Chronic exposure may cause dermatitis.
Germ cell mutagenicity: no data available
Carcinogenicity: This product is or contains a component that is not classifiable as to its carcinogenicity based on it IARC, ACGIH, NTP, or EPa classification.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available
Teratogenicity: no data available
Specific target organ toxicity – single exposure (GHS): Causes damage to organs.
Specific target organ toxicity – repeated exposure (GHS): no data available
Potential Health Effects

Inhalation: Toxic if inhaled. Causes respiratory tract irritation.
Skin: Toxic if absorbed through skin. Causes skin irritation.
Eyes: Causes eye irritation.
Ingestion: Toxic if swallowed.

Signs and Symptoms of Exposure: Methyl alcohol may be fatal or cause blindness if swallowed. Cannot be made non-poisonous. Effects due to ingestion may include: nausea, headache, vomiting, gastrointestinal disturbance, dizziness, weakness, confusion, drowsiness, unconsciousness. May cause convulsions.
Additional information: Repeated dose toxicity – monkey – Gavage – 72 h□ lowest observed adverse effect level – 2,340 mg/kg
RTECS: PC1400000

SECTION 12: ECOLOGICAL INFORMATION

Phenol:
Persistence and degradability: no data available
Toxicity:
Toxicity to fish□ LC50 – Leuciscus idus (Golden orfe) – 14.00-25.00 mg/l – 48 h
LC50 – Carassius auratus (Goldfish) – 36.10-68.80 mg/l – 96 h
Toxicity to daphnia and other aquatic invertebrates□ EC50 – Daphnia magna (Water flea) – 12.00 mg/l – 24 h
EC 100 – Daphnia magna (Water flea) – 100.00 mg/l – 24 h
Toxicity to algae□ EC50 – Chlorella vulgaris (Freshwater algae) – 370.00 mg/l – 96 h
Bioaccumulative potential: no data available
Mobility in soil: no data available
PBT and vPvB assessment: no data available
Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life.

Acetone:
Persistence and degradability: no data available
Toxicity:
Toxicity to fish□ LC50 – Oncorhynchus mykiss (rainbow trout) – 5,540 mg/l – 96 h
Toxicity to daphnia and other aquatic invertebrates□ EC50 – Daphnia magna (Water flea) – 13,500 mg/l – 48 h
Bioaccumulative potential: no data available
Mobility in soil: no data available
PBT and vPvB assessment: no data available
Other adverse effects: no data available

SECTION 13: DISPOSAL CONSIDERATIONS

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable.
Contaminated packaging: Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

Phenol:
DOT (US): UN-number: 1671, Class: 6.1, Packing group: II; Proper shipping name: Phenol, solid; Reportable Quantity (RQ): 1000 lbs; Marine pollutant: No; Poison inhalation hazard: No
IMDG: UN-number: 1671, Class: 6.1, Packing group: II; EMS-No: F-A, S-A; Proper shipping name: PHENOL, SOLID; Marine pollutant: No
IATA: UN-number: 1671, Class: 6.1, Packing group: II; Proper shipping name: Phenol, solid

Ethanol:
DOT (US): UN-number: 1170, Class: 3, Packing group: II; Proper shipping name: Ethanol; Marine pollutant: No; Poison inhalation hazard: No
IMDG: UN-number: 1170, Class: 3, Packing group: II; EMS-No: F-E, S-D; Proper shipping name: ETHANOL; Marine pollutant: No
IATA: UN-number: 1170, Class: 3, Packing group: II; Proper shipping name: Ethanol

Acetone:
DOT (US): UN-number: 1090, Class: 3, Packing group: II; Proper shipping name: Acetone; Reportable Quantity (RQ): 5000 lbs.; Marine pollutant: No; Poison inhalation hazard: No
IMDG: UN-number: 1090, Class: 3, Packing group: II; EMS-No: F-E, S-D; Proper shipping name: ACETONE; Marine pollutant: No

IATA: UN-number: 1090, Class: 3, Packing group: II; Proper shipping name: Acetone

SECTION 15: REGULATORY INFORMATION

SARA 302 Components: SARA 302: Phenol, CAS-No. 108-95-2; Revision Date: 2007-07-01
SARA 313 Components: The following components are subject to reporting levels established by SARA Title II, Section 313:
SARA 302: Phenol, CAS-No. 108-95-2; Revision Date: 2007-07-01
SARA 311/312 Hazards:
Ethanol, Phenol, & Acetone: Fire Hazard, Acute Health Hazard, Chronic Health Hazard
Massachusetts Right To Know Components: Ethanol, CAS-No. 64-17-5, Revision Date: 2007-03-01
Phenol, CAS-No. 108-95-2; Revision Date: 2007-07-01
Acetone, CAS-No. 67-64-1; Revision Date: 2007-03-01
Pennsylvania Right To Know Components: Ethanol, CAS-No. 64-17-5, Revision Date: 2007-03-01
Phenol, CAS-No. 108-95-2; Revision Date: 2007-07-01
Acetone, CAS-No. 67-64-1; Revision Date: 2007-03-01
New Jersey Right To Know Components:
Ethanol, CAS-No. 64-17-5, Revision Date: 2007-03-01
Phenol, CAS-No. 108-95-2; Revision Date: 2007-07-01
Acetone, CAS-No. 67-64-1; Revision Date: 2007-03-01
California Prop. 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

EU regulations

Component	Risk Phrases	Safety Phrases
Phenol	R23/24/25, R34, R48/20/21/22, R68	S24/25, S26, S28, S36/37/39, S45
Ethanol	R11, R20/21/22	S16, S36/37/39, S45
Acetone	R11, R36, R66, R67	S16, S26, S33, S45

SECTION 16: OTHER INFORMATION

DISCLAIMER:
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Assay Genie shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.