KEY SCIENTIFIC PRODUCTS
1113 EAST REYNOLDS ST.
STAMFORD, TEXAS 79553
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Voice 800-843-1539
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Safety Data sheet

1 Identification

GHS Product Identifier

Catalog Number / Product Name: MYCO-FIX BLUE
K70001 MYCO-FIX BLUE

Other means of identification

K70001 MYCO-FIX BLUE

Recommended use of the chemical and restriction on use

For invitro diagnostic use only by trained professionals.

Supplier's details

Manufacturer / Supplier:
Key Scientific Products, Inc.
1113 East Reynolds Street
Stamford, TX 79553

Phone Number: 1-800-843-1539
Emergency Phone Number: none available.

2 Hazard(s) identification

Classification of the substance or mixture

Acute toxicity, Oral (Category 3), H301
Acute toxicity, Inhalation (Category 3), H331
Acute toxicity, Dermal (Category 3), H311
Skin irritation (Category 2), H315
Skin corrosion (Category 1B), H314
Serious eye damage (Category 1), H318
Germ cell mutagenicity (Categpry 2), H341
Specific target organ toxicity - repeated exposure (Category 2), Nervous system, Kidney, Liver, Skin, H373
Short-term (acute) aquatic hazard (Category 2), H401
Long-term (chronic) aquatic hazard (Category 2), H411

GHS label elements

Danger

Causes severe skin burns and eye damage

Causes skin irritation

Causes serious eye damage

Suspected of causing genetic defects

May cause damage to organs through prolonged or repeated exposure

Toxic to aquatic life with long lasting effects

Toxic if swallowed, in contact with skin or if inhaled

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of soap and water.

IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.

IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Immediately call a POISON CENTER or doctor/physician.

If skin irritation or rash occurs: Get medical advice/attention.

Take offcontaminated clothing and wash before reuse.

Collect spillage.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Dispose of contents/container to an approved waste disposal plant.

Other hazards which do not result in classification

Stench.
Vesicant., Rapidly absorbed through skin.

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
Poly Alcohol, copolymer	25213-24-5		0.13 - 0.138	
Phenol	108-95-2	203-632-7	0.2 - 0.2017	
DL-Lactic acid	50-21-5	200-018-0	0.2 - 0.2017	
Methyl Blue	28983-56-4	249-352-9	0.0006	

4 First-aid measures

Description of necessary first-aid measures

General advise
Consult a physician. Show this safety data sheet to the doctor in attandance. Move out of dangerous area.

Eyes: In case of contact with eyes, rinse immediately with water for 10-15 minutes and consult a physician.

Continue rinsing eyes during tranport to hospital.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Inhalation: If breathed in, move person into fresh air. It not breathing, give artifial respiration. Consult a physician.

Skin: Take off contaminated clothing and shoes immediately. Wash thoroughly with soap and plenty of water. Consult a physician.

Most important symptoms/effects, acute and delayed

Most important known symptoms and affects are described in the labelling (see section 2.2) and/or in section 11.

Indication of immediate medical attention and special treatment needed, if necessary

No data available.

5 Fire-fighting measures

Suitable extinguishing media

Use waterspray, CO2, foam, or dry powder as the extinguisher medium.

Specific hazards arising from the chemical

Carbon oxides, Nitrogen oxides, Sulpher oxides, Sodium oxides.

Special protective actions for fire-fighters

Wear self-contained breathing apparatus if needed.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid contact with skin and eyesl. Avoid dust formation. Avoid breathing vapors, mist, dust, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste.

7 Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid inhalation of vapor or mist. Provide adequate ventilation at places where dust is formed. Normal measures for fire protection. For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well ventilated place. Container which are opened must be carefully resealed and kept upright to prevent leakage.
Hygroscopic. Store under inert gas, Light sensitive.
Storage class (TRGS 510): Combustible liquids, acute toxic Cat 1 and 2 / very toxic hazardous materials.

8 Exposure controls/personal protection

Control parameters

Components with workplace control parameters

Component	CAS#	Value	Control parameters	Basis
Acetic acid ethenyl ester polymer with ethanol	25213-24-5	TWA	10mg/m3 TWA inhalable particles	ACGIH (US) Theshhole Limit Values (TLV)
	Remarks		Upper respiratory Tract irritation Not classified as a human carcinogen	
		C	5 ppm 7 mg/m3	NIOSH (US) Recommended Exposure Limits
			Often used in an aqueous solution	
		C	15 ppm 7 mg/m3	OSHA (US) Occupational Exposure Limits-Table Z-1 Limits for Air Contaminants
			The value mg/m3 is approximate. Ceiling limit is to be determined from breathing-zone air samples.	
		PEL	.03 ppm .45 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
		C	2 ppm	California permissible exposure limits for chemical contaminants (Title 8, Article 107)

Component	CAS#	Value	Control parameters	Basis
Phenol	108-95-2	TWA	5 ppm	USA.ACGIH Threshold Limit Values (TLV)
	Remarks		Central Nervios System impairment Upper respiratory Tract irritation Lung damage Substances for which there is a Biological Exposure Index or Indices Not classified as a human carcinogen. Danger of cutaneous absortion	
		TWA	5 ppm 19 mg/m3	USA.NIOSH (US) Recommended Exposure Limits
			Potential for dermal absortion 15 minute ceiling value	
		C	15 ppm 60 mg/m3	OSHA (US) Occupational Exposure Limits
			The value mg/m3 is approximate. Ceiling limit is to be determined from breathing-zone air samples.	
		TWA	5 ppm 19 mg/m3	OSHA (US) Occupational Exposure Limits-Table Z-1 Limits for Air contaminants
		PEL	5 ppm 19 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)

Appropriate engineering controls

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

Individual protection measures

Eye/face protection
Tightly fitting safety glasses with side shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or en 166 (EU).

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

Body protection
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-space.

Respiratory protection
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type P95 (US) or type P1 (EN 143) dust masks. Use respirators and componenents tested and approved under appropriate government standards such as NIOSH (US) or CEN (UN).

Control of environmental exposure
Do not let product enter drains.

9 Physical and chemical properties

Physical and chemical properties

Appearance:	**Form:** liquid **Color:** thick blue liquid
Odor:	odorless
Odor Threshhold:	No data available
pH:	No data available
Melting point/freezing point:	Melting point/range: 138-140 °C (280-284 °F)
Melting point:	No data available
Flash Point:	92 °C (180 °F)
Evaporation rate:	No data available
Flammability:	No data available
Upper/lower flammability/explosion limits:	No data available
Vapor Pressure:	No data available
Vapor density:	No data available
Relative density:	No data available
Water solubility:	Soluble in water.
Partition coefficient (n-octal/water):	No data available
Auto-ignition temperature:	Product is not self-igniting
Decomposition temerature:	No data available
Viscosity:	No data available
Explosive Properties:	No data available

10 Stability and reactivity

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available.

Conditions to avoid

No data available.

Incompatible materials

No data available.

Hazardous decomposition products

Other decomposition products-No data available.
In the event of a fire, see Section 5.

11 Toxicological information

Toxicological (health) effects

Acute toxicity:
Inhalation: No data available.
Dermal: No data available.
LD50 Dermal - Rat - female -660 mg/kg
(OECD Test Guieline 402)

Skin corrosion/irritation
In-vitro Study: Causes burns
(OECD Test Guieline 431)

Serious eye damage/eye irritation
Eyes - Rabbit
Corrosive
(OECD Test Guieline 405)
Causes serious eye damage. Risk of blindness!

Respiratory or skin sensitisation
Sensitation test: Guinea pig
negative
(IUCLID)

Germ cell mutagenocity
Suspected of causing genetic defects.
Mutagenicity (mammal cell test): chromosome aberration.
Chinese hamster ovary cell: positive
Mutagenicity (mammal cell test): micronucleus.
Chinese hamster ovary cell: positive

Carcinogenicity

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

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

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

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

Reproductive toxicity

No data available.

Specific organ toxicity - single exposure

Acute oral toxicity - Vomiting, Nausea

Specific organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure.
Nervous system, Kidney, Liver, Skin

Additional information

Material is extremely destructive to tussue of the mucous membranes and upper respiratory tract, eyes, and skin.,spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryingitis, Shortness of breath, Headache, Nausea, Vomiting, Circulatory collapse, tachypnea, paralysis, Convulsions, Coma.,necrosis of mouth and G.I. Tract, Jaundice, respiratory failure, cardiac arrest
To the best of our knowlege, the chemical, physical, and toxicological properties have not been thouroughly investigated.

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.
Handle in accordance with good industrial hygiene and safety practice.

Stomach - Irregularities - Based on Human Evidence.

12 Ecological information

Toxicity

No data available.

Persistence and degradability

No data available.

Bioaccumulative potential

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Mobility in soil

No data available.

Other adverse effects

Do not allow products to reach ground water, water course or sewage system.
Must not reach bodies of water or drainage ditch undiluted.
Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

Disposal methods

Product
Uninoculated items may be dicarded as normal waste.
Inoculated waste should be discarded in a manner appropriate for biological hazards.

Contaminated Packaging
Dispose of as unused product.

14 Transport information

UN Number

DOT (US)
Not dangerous goods.

IMDG
Not dangerous goods.

IATA
Not dangerous goods.

15 Regulatory information

Safety, health and environmental regulations specific for the product in question

SARA 302 Components

Phenol	CAS#	Revision Date
	108-95-2	2007-07-01

SARA 313 Components

Phenol	CAS#	Revision Date
	108-95-2	2007-07-01

SARA 311/312 Hazards
Acute health hazard, Chronic Heath Hazard.

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Phenol	CAS#	Revision Date
	108-95-2	2007-07-01

Methl Blue	CAS# 28983-56-4	Revision Date

New Jersey Right To Know Components

Methl Blue	CAS# 28983-56-4	Revision Date

California Prop. 65 Components

These products do not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16 Other information

Other information

The above information, to the best of our knowledge, is accurate. Key Scientific Products assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be desribed, we cannot guarantee that these are the only hazards that exist.