



KEY SCIENTIFIC PRODUCTS
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Safety Data sheet

1 Identification

GHS Product Identifier

Catalog Number / Product Name: Multiple
K710310 Hippurate Discs

Other means of identification

K710310 Hippurate Discs

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

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquid: (Category2) H225
Eye damage/eye irritation: Category 2) H319
Acute toxicity (Oral) : Category 4) H301
Acute toxicity (Inhallation): Category 4) H331
Acute toxicity (Dermal): Category4) H311
Specific target organ Toxicity: single exposure: (Category 1) H370

GHS label elements

Danger



Highly flammable liquid and vapour

Toxic if swallowed

Toxic in contact with skin

Causes serious eye irritation

Toxic if inhaled

Causes damage to organs

Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

Other hazards which do not result in classification

None

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
Methanol	67-56-1		0.27 - 0.279	
Soduim hippurate hydrate	532-94-5	208-548-4	0.04 - 0.044	

4 First-aid measures

Description of necessary first-aid measures

General advise

Consult a physician. Show this safety data sheet to the doctor in attendance. 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 artfial 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

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 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.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

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.
Recommended storage temperature - 30° C.

8 Exposure controls/personal protection

Control parameters

Components with workplace control parameters

Component	CAS#	Value	Control parameters	Basis
Methanol	67-56-1	TWA	200 ppm	ACGIH (US) Theshhole Limit Values (TLV)
	Remarks		Danger of cutaneous absorbtion	
		STEL	250 ppm	NIOSH (US) Recommended Exposure Limits
			Often used in aqueous solutions	
		C	5 ppm 7 mg/m3	Occupational Exposure Limits (OSHA) -Tab Z-1 Limits for Air Contaminants
			The value mg/m3 is approximate	

Component	CAS#	Value	Control parameters	Basis
Iron trichloride hexahydrate	10025-77-1	TWA	1 mg/m3	ACGIH (US) Theshhole Limit Values (TLV)
	Remarks		Upper Respiratory Tract irritation Skin irritation varies	
		TWA	1 mg/m3	NIOSH (US) Recommended Exposure Limits
				California permissible exposure limits for chemical contaminants

		PEL	1 mg/m3	Chemical Contaminants (Title 8, Article 107)
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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 contaminated 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 components 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: light yellow

Odor:

pungent

Odor Threshold:

No data available

pH:

No data available

Melting point/freezing point:

Melting point/range: 37 °C (99 °F) -lit.

Melting point:

No data available

Flash Point:

No data available

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:

No data available

Partition coefficient (n-octal/water):

No data available

Auto-ignition temperature:

No data available

Decomposition temperature:

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

Heat, flames, sparks

Incompatible materials

Strong oxidizing agents, zinc alloys

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.

Skin corrosion/irritation

No data available.

Serious eye damage/eye irritation

No data available.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

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 carcinogen 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 carcinogen 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 carcinogen by NTP.

OSHA: 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 OSHA.

Reproductive toxicity

No data available.

Specific organ toxicity - single exposure

No data available.

Specific organ toxicity - repeated exposure

No data available.

Additional information

RTECS: No data available.

Information on the likely routes of exposure

Aliphatic alcohols evaporate quickly and are not expected to bioaccumulate. The material is removed from the air by dry and liquid absorption. The half-life for methanol in the atmosphere is one to ten days.

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

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13 Disposal considerations

Disposal methods**Product**

Incineration at a licenced chemical disposal facility is preferred.

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)**

UN number: 1230 Class 3 Packing group: II
methyl alcohol
Proper shipping name: Methanol
Reportable Quantity (RQ): 5000 lbs
Poison Inhalation Hazard: No

IMDG

UN number: 1230 Class 3 (6.1) Packing group: II EMS-No: F-E, S-D
Proper shipping name: Methanol

IATA

UN number: 1230 Class 3 (6.1) Packing group: II
Proper shipping name: Methanol

15 Regulatory information**Safety, health and environmental regulations specific for the product in question****SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: The following components are subject to the reporting levels established by SARA Title III, Section 313.

	CAS#	Revision Date
Methanol	67-56-1	2007-07-1

Massachusetts Right To Know Components

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

Pennsylvania Right To Know Components

	CAS#	Revision Date
Methanol	67-56-1	2007-07-1

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 described, we cannot guarantee that these are the only hazards that exist.