

A KOVA International Company

DETECTABUSE LIQUID CONTROL URINE

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations Date of Issue: 05/05/2020 SDS-001 Version: G

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: DETECTABUSE LIQUID CONTROL URINE

1.2. Intended Use of the Product

Use of the Substance/Mixture: Quality Control.

1.3. Name, Address, and Telephone of the Responsible Party

Company

Biochemical Diagnostics, Inc.

180 Heartland Blvd.

Edgewood, NY 11717

Phone: (631) 595-9200

1.4. Emergency Telephone Number

Emergency Number : (800) 255-3924

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Not classified

2.2. Label Elements

GHS-US Labeling

No labeling applicable according to 29 CFR 1910.1200.

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product Identifier	%	GHS US classification
Human Urine		(CAS-No.) None	69.93 - 77.63	Not classified
Proprietary Ingredient A	Proprietary	(CAS-No.) Proprietary	22.25 - 27.73	Not classified
Methanol	Methyl alcohol / Carbinol / Methyl hydroxide / METHYL ALCOHOL	(CAS-No.) 67-56-1	0.03 - 0.91	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapor), H331 STOT SE 1, H370
Potassium chloride	Potassium chloride (KCl) / POTASSIUM CHLORIDE / Hydrochloric acid, potassium salt	(CAS-No.) 7447-40-7	0.07 - 0.56	Not classified
Sodium chloride	Sea salt / Sodium chloride (NaCl) / SODIUM CHLORIDE / Sodium salt of hydrochloric acid / Salt / SEA SALT	(CAS-No.) 7647-14-5	0.2 - 0.25	Not classified
Urea	Carbamide / Carbonyl diamide / UREA / Carbonic acid diamide	(CAS-No.) 57-13-6	0.06 - 0.07	Comb. Dust
Sodium azide	Sodium azide (Na(N3)) / Sodium azide (NaN3)	(CAS-No.) 26628-22-8	0.05	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation:dust,mist), H330 STOT SE 1, H370 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Comb. Dust

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4H-Imidazol-4-one, 2- amino-1,5-dihydro-1- methyl-	Creatinine / 2-Imino-1- methylimidazolidin-4-one / 1- Methylhydantoin-2-imide / CREATININE / 1- METHYLHYDANTOIN-2-IMIDE	(CAS-No.) 60-27-5	0.02 - 0.03	Not classified
Proprietary Ingredient B	Proprietary	(CAS-No.) Proprietary	>= 0.01	Not classified
Proprietary Ingredient C	Proprietary	(CAS-No.) Proprietary	0.01	Not classified
Bovine albumin	Albumin, bovine, fraction v / Serum Albumin / SERUM ALBUMIN / Serum albumin	(CAS-No.) 9048-46-8	< 0.01	Comb. Dust

*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

Full text of H-phrases: see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 5 minutes. Obtain medical attention if irritation develops or persists.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None known.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Nitrogen compounds.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

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Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. **Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: This product should be handled as a potential biohazard.

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray. **Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: None known.

7.3. Specific End Use(s)

Quality Control.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in Section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

Urea (57-13-0	6)	
USA AIHA	WEEL TWA (mg/m³)	10 mg/m ³
Sodium azide	e (26628-22-8)	
USA ACGIH	ACGIH Ceiling (mg/m ³)	0.29 mg/m ³
USA ACGIH	ACGIH Ceiling (ppm)	0.11 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA NIOSH	NIOSH REL (ceiling) (mg/m ³)	0.3 mg/m ³
USA NIOSH	NIOSH REL (ceiling) (ppm)	0.1 ppm
Methanol (67	7-56-1)	
USA ACGIH	ACGIH TWA (ppm)	200 ppm
USA ACGIH	ACGIH STEL (ppm)	250 ppm
USA ACGIH	ACGIH chemical category	Skin - potential significant contribution to overall exposure by the
		cutaneous route
USA ACGIH	Biological Exposure Indices (BEI)	15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end
		of shift (background, nonspecific)
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	260 mg/m ³
USA NIOSH	NIOSH REL (TWA) (ppm)	200 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	325 mg/m ³
USA NIOSH	NIOSH REL (STEL) (ppm)	250 ppm
USA IDLH	US IDLH (ppm)	6000 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	260 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm

8.2. Exposure Controls

Appropriate Engineering Controls

: Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

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Personal Protective Equipment	: Gloves. Protective clothing. Protective goggles.		
Materials for Protective Clothing	: Chemically resistant materials and fabrics.		
-	: Wear protective gloves.		
	: Chemical safety goggles.		
	: Wear suitable protective clothing.		
-	 Wear suitable protective clothing. If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection. 		
Other Information	When using, do not eat, drink or smoke.		
ECTION 9: PHYSICAL AND CHEMICA	L PROPERTIES		
9.1. Information on Basic Physical a	nd Chemical Properties		
Physical State	: Liquid		
Appearance	: Yellow		
Odor	: Slight		
Odor Threshold	: No data available		
pH	: 6-7		
Evaporation Rate	: No data available		
Melting Point	: No data available		
Freezing Point	: No data available		
Boiling Point Flash Point	: 100 °C (212 °F) : No data available		
Auto-ignition Temperature	: No data available		
Decomposition Temperature	: No data available		
Flammability (solid, gas)	: Not applicable		
Vapor Pressure	: No data available		
Relative Vapor Density at 20°C	: No data available		
Relative Density	: No data available		
Specific Gravity	: 1.005-1.025 @ 20 °C (68 °F)		
Solubility	: No data available		
Partition Coefficient: N-Octanol/Water	: No data available		
Viscosity	: No data available		
9.2. Other Information			
No additional information available			
ECTION 10: STABILITY AND REACTIV	ТТҮ		
10.1. Reactivity: Hazardous reactions wil	ll not occur under normal conditions.		
10.2. Chemical Stability: Stable under re	commended handling and storage conditions (see Section 7).		
	: Hazardous polymerization will not occur.		
10.4. Conditions to Avoid: Direct sunligh	t, extremely high or low temperatures, and incompatible materials.		
10.5. Incompatible Materials: None know			
10.6. Hazardous Decomposition Product			
ECTION 11: TOXICOLOGICAL INFORM	MATION		
11.1. Information on Toxicological E	ffects		
Acute Toxicity (Oral): Not classified			
Acute Toxicity (Dermal): Not classified			
Acute Toxicity (Inhalation): Not classified			
Proprietary Ingredient B (Proprietary)			
LD50 Oral Rat	> 2000 mg/kg (No deaths)		
LD50 Dermal Rat	> 2000 mg/kg (No deaths)		
Proprietary Ingredient C (Proprietary)			
LD50 Oral Rat	> 2000 mg/kg (No death)		

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Sodium chloride (7647-14-5)			
LD50 Oral Rat	3550 mg/kg (Species: Wistar)		
LD50 Dermal Rabbit	> 10000 mg/kg (Species: New Zealand White)		
LC50 Inhalation Rat	> 42 g/m ³ (Exposure time: 1 h)		
Urea (57-13-6)			
LD50 Oral Rat	8471 mg/kg		
Potassium chloride (7447-40-7)			
LD50 Oral Rat	3020 mg/kg (Species: Wistar)		
Sodium azide (26628-22-8)			
LD50 Oral Rat	27 mg/kg		
LD50 Dermal Rabbit	20 mg/kg		
LC50 Inhalation Rat	0.054 - 0.52 mg/l/4h (Dust/Mist - mg/l/4h)		
Methanol (67-56-1)			
LD50 Dermal Rabbit	15840 mg/kg		
LC50 Inhalation Rat	22500 ppm (Exposure time: 8 h)		
ATE (Oral)	100.00 mg/kg body weight		
ATE (Dermal)	300.00 mg/kg body weight		
ATE (Vapors)	3.00 mg/l/4h		
Skin Corrosion/Irritation: Not classifie			
Symptoms/Injuries After Skin Contact Symptoms/Injuries After Eye Contact Symptoms/Injuries After Ingestion: In Chronic Symptoms: None known. SECTION 12: ECOLOGICAL INFOR 12.1. Toxicity Ecology - General	Exposure): Not classified ted Exposure): Not classified Prolonged exposure may cause irritation. t: Prolonged exposure may cause skin irritation. : May cause slight irritation to eyes. ngestion may cause adverse effects. RMATION : Not classified.		
Proprietary Ingredient B (Proprietary) LC50 Fish 1 > 100 mg/l (Read across)			
Sodium chloride (7647-14-5)			
LC50 Fish 1	5560 (5560 - 6080) mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])		
EC50 Daphnia 1	1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)		
LC50 Fish 2	12946 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])		
EC50 Daphnia 2	340.7 (340.7 - 469.2) mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])		
NOEC Chronic Fish	252 mg/l (Species: Pimephales promelas)		
Urea (57-13-6)			
LC50 Fish 1	16200 - 18300 mg/l (Exposure time: 96 h - Species: Poecilia reticulata)		
EC50 Daphnia 1	3910 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])		
Potassium chloride (7447-40-7)			
1 C50 Fish 1	1060 mg/l (Exposure time: 96 h - Species: Lenomis macrochirus [static])		

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ErC50 (Algae)	0.348 mg/l		
Methanol (67-56-1)	Сл.		
LC50 Fish 1	28200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])		
EC50 Daphnia 1	1340 mg/l		
LC50 Fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])		
12.2. Persistence and Degradability			
DETECTABUSE LIQUID CONTROL URINE			
Persistence and Degradability	Not established.		
12.3. Bioaccumulative Potential			
DETECTABUSE LIQUID CONTROL URINE	DETECTABUSE LIQUID CONTROL URINE		
Bioaccumulative Potential	Not established.		
Sodium chloride (7647-14-5)	Sodium chloride (7647-14-5)		
BCF Fish 1	(no bioaccumulation)		
Urea (57-13-6)			
BCF Fish 1	< 10		
Log Pow	-1.59 (at 25 °C)		
Methanol (67-56-1)			
BCF Fish 1	< 10		
Log Pow	-0.77		

12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

Other Information

: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Ecology - Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

Proprietary Ingredient B (Proprietary)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Proprietary Ingredient C (Proprietary)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Sodium chloride (7647-14-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Urea (57-13-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Potassium chloride (7447-40-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

4H-Imidazol-4-one, 2-amino-1,5-dihydro-1-methyl- (60-27-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Bovine albumin (9048-46-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory		
EPA TSCA Regulatory Flag XU - XU - indicates a substance exempt from reporting under the		
Chemical Data Reporting Rule (40 CER 711)		

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Sodium azide (26628-22-8)		
Listed on the United States TSCA (Toxic Substances Contr	ol Act) inventory	
Listed on the United States SARA Section 302		
Subject to reporting requirements of United States SARA	Section 313	
CERCLA RQ	1000 lb	
SARA Section 302 Threshold Planning Quantity (TPQ)	500 lb (this material is a reactive solid, the TPQ does not default to	
	10000 pounds for non-powder, non-molten, non-solution form)	
SARA Section 313 - Emission Reporting	1%	
Proprietary Ingredient A (Proprietary)		
Listed on the United States TSCA (Toxic Substances Contr	ol Act) inventory	
Methanol (67-56-1)		
Listed on the United States TSCA (Toxic Substances Contr	ol Act) inventory	
Subject to reporting requirements of United States SARA Section 313		
CERCLA RQ	5000 lb	
SARA Section 313 - Emission Reporting 1 %		
15.2. US State Regulations		
Sodium azide (26628-22-8)		
U.S Massachusetts - Right To Know List		
U.S New Jersey - Right to Know Hazardous Substance L	ist	
U.S Pennsylvania - RTK (Right to Know) - Environmenta	l Hazard List	
U.S Pennsylvania - RTK (Right to Know) List		
Methanol (67-56-1)		
U.S Massachusetts - Right To Know List		
U.S New Jersey - Right to Know Hazardous Substance List		
U.S Pennsylvania - RTK (Right to Know) - Environmenta	l Hazard List	
U.S Pennsylvania - RTK (Right to Know) List		

U.S. - Pennsylvania - RTK (Right to Know) List

California Proposition 65

WARNING: This product can expose you to Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Methanol (67-56-1)		Х		

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

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Date of Preparation or Latest Revision Other Information 05/05/2020 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

GHS Full Text Phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 2 (Oral)	Acute toxicity (oral) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation:vapor)	Acute toxicity (inhalation:vapor) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Comb. Dust	Combustible Dust
Flam. Liq. 2	Flammable liquids Category 2
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
H225	Highly flammable liquid and vapor
H300	Fatal if swallowed
H301	Toxic if swallowed
H310	Fatal in contact with skin

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H311	Toxic in contact with skin
H330	Fatal if inhaled
H331	Toxic if inhaled
Н370	Causes damage to organs
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)