

Safety Data Sheet

KOVA® -TROL URINE CONTROLS-ABNORMAL

Product and company identification

: KOVA® -TROL URINE CONTROLS-ABNORMAL **Product name**

: Kova-Trol I - High Abnormal 87200, 87325, 87326, 87329, 87332, 87333, 87334, Component

> 87426, 87533, 87325E, 87326E, 87329E, 87332E, 87333E, 87334E, 87426E, 87533E, 87325M, 87326M,

87329M, 87332M, 87333M, 87334M

87128, 87130, 87200, 87428, 87128E, 87130E, 87428E : Kova-Trol II - Low Abnormal

87128M, 87130M

Manufacturer / Supplier Kova International, Inc.

> 7272 Chapman Avenue, Suite B Garden Grove, CA 92841

Tel: 1-714-902-1700 Fax: 1-714-908-7945

Business hours: (8:00 a.m. - 5:00 p.m., PST, Monday - Friday)

Emergency telephone number Contact your local Poison Center

Use of the

substance/preparation

: For in vitro diagnostic use only

Hazards identification

Physical state : Kova-Trol I - High Solid. [Powder.Lyophilized]

Abnormal

Kova-Trol II - Low Solid. [Powder.Lyophilized]

Abnormal

Kova-Trol I - High Odor Odorless.

Abnormal Kova-Trol II - Low Odorless.

Abnormal

OSHA/HCS status : Kova-Trol I - High While this material is not considered hazardous by the OSHA Abnormal Hazard Communication Standard (29 CFR 1910.1200), this

> SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be

retained and available for employees and other users of this

product.

Kova-Trol II - Low While this material is not considered hazardous by the OSHA Abnormal Hazard Communication Standard (29 CFR 1910.1200), this

SDS contains valuable information critical to the safe

handling and proper use of the product. This SDS should be

retained and available for employees and other users of this

NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE

product.

Emergency overview-Label Statement

: Kova-Trol I - High Abnormal

HEALTH EFFECTS WHEN THE RECOMMENDED

INSTRUCTIONS FOR USE ARE FOLLOWED. Kova-Trol II - Low NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE

HEALTH EFFECTS WHEN THE RECOMMENDED Abnormal

INSTRUCTIONS FOR USE ARE FOLLOWED.

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2 Hazards identification

Kova-Trol I - High	No known significant effects or critical hazards. Handling
Abnormal	and/or processing of this material may generate a dust which

can cause mechanical irritation of the eyes, skin, nose and

Kova-Trol II - Low Abnormal

throat. Avoid prolonged contact with eyes, skin and clothing. No known significant effects or critical hazards. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat. Avoid prolonged contact with eyes, skin and clothing.

Potential acute health effects

Eyes : Kova-Trol I - High Exposure to airborne concentrations above statutory or

> Abnormal recommended exposure limits may cause irritation of the

Kova-Trol II - Low Exposure to airborne concentrations above statutory or

Abnormal recommended exposure limits may cause irritation of the

: Kova-Trol I - High No known significant effects or critical hazards. Skin

Abnormal

Kova-Trol II - Low No known significant effects or critical hazards.

Abnormal

Kova-Trol I - High Exposure to airborne concentrations above statutory or Inhalation

Abnormal recommended exposure limits may cause irritation of the

nose, throat and lungs.

Kova-Trol II - Low Exposure to airborne concentrations above statutory or

> Abnormal recommended exposure limits may cause irritation of the

> > nose, throat and lungs.

No known significant effects or critical hazards. : Kova-Trol I - High Ingestion

Abnormal

No known significant effects or critical hazards. Kova-Trol II - Low Abnormal

: Kova-Trol I - High Not applicable. **Medical conditions**

aggravated by over-Abnormal

Kova-Trol II - Low Not applicable. exposure

Abnormal

Kova-Trol I - High Not applicable. Over-exposure Abnormal signs/symptoms

Kova-Trol II - Low Not applicable. Abnormal

See toxicological information (section 11)

3 Composition/information on ingredients

CAS number <u>%</u>

No hazardous ingredient

There are no ingredients or additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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4. First aid measures

Eye contact	: Kova-Trol I - High Abnormal	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if adverse health effects persist or are severe.
	Kova-Trol II - Low Abnormal	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if adverse health effects persist or are severe.
Skin contact	: Kova-Trol I - High Abnormal	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if adverse health effects persist or are severe.
	Kova-Trol II - Low Abnormal	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if adverse health effects persist or are severe.
Inhalation	: Kova-Trol I - High Abnormal	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if adverse health effects persist or are severe.
	Kova-Trol II - Low Abnormal	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if adverse health effects persist or are severe.
Ingestion	: Kova-Trol I - High Abnormal	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if adverse health effects persist or are severe.
	Kova-Trol II - Low Abnormal	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if adverse health effects persist or are severe.
Protection of first-aiders	: Kova-Trol I - High Abnormal	Not applicable.
	Kova-Trol II - Low Abnormal	Not applicable.
Notes to physician		reat symptomatically. Contact poison treatment specialist utities have been ingested or inhaled.

5. Fire-fighting measures

Flammability of the product	: Kova-Trol I - High Abnormal	Non-flammable.
	Kova-Trol II - Low Abnormal	Non-flammable.
Products of combustion	: Kova-Trol I - High Abnormal	Decomposition products may include the following materials: carbon oxides
	Kova-Trol II - Low Abnormal	No specific data.
Extinguishing media		
Suitable	: Kova-Trol I - High Abnormal	Use an extinguishing agent suitable for the surrounding fire.
	Kova-Trol II - Low Abnormal	Use an extinguishing agent suitable for the surrounding fire.
Not suitable	: Kova-Trol I - High Abnormal	Not applicable.
	Kova-Trol II - Low Abnormal	Not applicable.

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5. Fire-fighting measures

Special protective equipment for fire-fighters

: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions : Kova-Trol I - High No action shall be taken involving any personal risk or Abnormal without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8). No action shall be taken involving any personal risk or Kova-Trol II - Low without suitable training. Evacuate surrounding areas. Keep Abnormal unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8). Avoid dispersal of spilled material and runoff and contact **Environmental precautions** : Kova-Trol I - High Abnormal with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Avoid dispersal of spilled material and runoff and contact Kova-Trol II - Low Abnormal with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up Small spill

: Kova-Trol I - High Abnormal

> Kova-Trol II - Low Abnormal

Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

7. Handling and storage

Handling : Kova-Trol I - High Wash thoroughly after handling.

Abnormal Kova-Trol II - Low Wash thoroughly after handling.

Abnormal

Storage

Store between the following temperatures: 2°C to 8°C (35.6°F to 46.4°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Product name
United States

Exposure limits

No exposure limit value known.

Consult local authorities for acceptable exposure limits.

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8. Exposure controls/personal protection

Engineering measures

: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Personal protection

Eyes

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dust.

Skin

: Chemical resistant protective gloves and clothing are recommended. The choice of protective gloves or clothing must be based on chemical resistance and other use requirements. Generally, BUNA-N offers acceptable chemical resistance. Individuals who are acutely and specifically sensitive to this chemical may require additional protective clothing.

Respiratory

: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Other protection

: Not available.

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical and chemical properties

Physical state	: Kova-Trol I - High Abnormal	Solid. [Powder.Lyophilized]
	Kova-Trol II - Low Abnormal	Solid. [Powder.Lyophilized]
Color	: Kova-Trol I - High Abnormal	Amber. / Yellow.
	Kova-Trol II - Low Abnormal	Yellow.
Odor	: Kova-Trol I - High Abnormal	Odorless.
	Kova-Trol II - Low Abnormal	Odorless.
рН	: Kova-Trol I - High Abnormal	7 to 9 [Basic.]
	Kova-Trol II - Low Abnormal	7 to 9 [Basic.]
Boiling/condensation point	: Kova-Trol I - High Abnormal	~ 100°C (212°F)
	Kova-Trol II - Low Abnormal	~ 100°C (212°F)
Solubility	: Kova-Trol I - High Abnormal	Easily soluble in the following materials: cold water and hot water.
	Kova-Trol II - Low Abnormal	Easily soluble in the following materials: cold water and hot water.

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10. Stability and reactivity

Stability and reactivity

: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.

Incompatibility with various substances

Reactive or incompatible with the following materials: oxidizing materials.

Hazardous decomposition products

Kova-Trol I - High Abnormal Kova-Trol II - Low

Abnormal

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Acute toxicity

Eyes : Kova-Trol I - High Exposure to airborne concentrations above statutory or

> Abnormal recommended exposure limits may cause irritation of the

Kova-Trol II - Low Exposure to airborne concentrations above statutory or Abnormal

recommended exposure limits may cause irritation of the

eyes.

Skin : Kova-Trol I - High No known significant effects or critical hazards.

Abnormal

Kova-Trol II - Low No known significant effects or critical hazards.

Abnormal

Kova-Trol I - High Exposure to airborne concentrations above statutory or Inhalation Abnormal

recommended exposure limits may cause irritation of the

nose, throat and lungs.

Kova-Trol II - Low Exposure to airborne concentrations above statutory or Abnormal

recommended exposure limits may cause irritation of the

nose, throat and lungs.

Ingestion : Kova-Trol I - High No known significant effects or critical hazards.

Abnormal Kova-Trol II - Low

No known significant effects or critical hazards.

Abnormal

Potential chronic health effects

Chronic effects No known significant effects or critical hazards. Carcinogenicity No known significant effects or critical hazards. Mutagenicity No known significant effects or critical hazards. No known significant effects or critical hazards. **Teratogenicity Developmental effects** No known significant effects or critical hazards. No known significant effects or critical hazards. Fertility effects

Over-exposure signs/symptoms

: No specific data. Inhalation : No specific data. Ingestion Skin No specific data. No specific data. **Eyes**

Other adverse effects : Kova-Trol I - High To the best of our knowledge, the toxicological properties of

> Abnormal this product have not been thoroughly investigated.

Kova-Trol II - Low To the best of our knowledge, the toxicological properties of

Abnormal this product have not been thoroughly investigated.

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12. Ecological information

Environmental effects
Biodegradability

: May cause long-term adverse effects in the aquatic environment.

Conclusion/Summary

: This product is not expected to bioaccumulate through food chains in the environment.

Mobility
Other adverse effects

: This product is not likely to partition to organic material in the environment.

: No known significant effects or critical hazards.

13. Disposal considerations

Waste disposal

: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

Regulatory information

DOT / IMDG / IATA : Not regulated.

15. Regulatory information

HCS Classification

: Kova-Trol I - High

Abnormal

Kova-Trol II - Low

Abnormal

Not regulated.

Not regulated.

U.S. Federal regulations

Kova-Trol I - High

Abnormal

nh TSC/

TSCA 5(a)2 final significant rules: Sodium nitrite

TSCA 8(a) PAIR: Glutaral

United States inventory (TSCA 8b): At least one

component is not listed.

TSCA 8(d) H and S data reporting: Sodium nitrite: 1991;

TSCA 12(b) annual export notification: Sodium nitrite

Glutaral: 1991

TSCA precursor chemical list: Potassium cyanide TSCA 5(a)2 final significant rules: Sodium nitrite

Kova-Trol II - Low TSCA 5(a)2 final signific

Abnormal TSCA 8(a) PAIR: Glutaral

United States inventory (TSCA 8b): At least one

component is not listed.

TSCA 8(d) H and S data reporting: Sodium nitrite: 1991;

Glutaral: 1991

TSCA 12(b) annual export notification: Sodium nitrite TSCA precursor chemical list: Potassium cyanide

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15. Regulatory information

Kova-Trol I - High SARA 302/304/311/312 extremely hazardous substances: Abnormal No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found. SARA 311/312 SDS distribution - chemical inventory hazard identification: No products were found. Kova-Trol II - Low SARA 302/304/311/312 extremely hazardous substances: Abnormal No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found SARA 311/312 SDS distribution - chemical inventory hazard identification: No products were found. Kova-Trol I - High Clean Water Act (CWA) 307: Tripotassium Abnormal hexacyanoferrate: Potassium cyanide Kova-Trol II - Low Clean Water Act (CWA) 307: Tripotassium Abnormal hexacyanoferrate; Potassium cyanide Kova-Trol I - High Clean Water Act (CWA) 311: Sodium nitrite; Disodium Abnormal hydrogenorthophosphate; Ammonium oxalate monohydrate; Potassium cyanide Kova-Trol II - Low Clean Water Act (CWA) 311: Sodium nitrite; Disodium Abnormal hydrogenorthophosphate; Ammonium oxalate monohydrate; Potassium cyanide Kova-Trol I - High Clean Air Act (CAA) 112 accidental release prevention: Abnormal No products were found. Kova-Trol II - Low Clean Air Act (CAA) 112 accidental release prevention: Abnormal No products were found. Kova-Trol I - High Clean Air Act (CAA) 112 regulated flammable substances Abnormal : No products were found. Kova-Trol II - Low Clean Air Act (CAA) 112 regulated flammable substances Abnormal : No products were found. Kova-Trol I - High Clean Air Act (CAA) 112 regulated toxic substances: No Abnormal products were found. Kova-Trol II - Low Clean Air Act (CAA) 112 regulated toxic substances: No Abnormal products were found. Connecticut Carcinogen Reporting: None of the Abnormal

State regulations

: Kova-Trol I - High

components are listed.

Connecticut Hazardous Material Survey: None of the components are listed.

Florida substances: None of the components are listed. Illinois Chemical Safety Act: None of the components are listed.

Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.

Louisiana Reporting: None of the components are listed. Louisiana Spill: None of the components are listed. Massachusetts Spill: None of the components are listed. Massachusetts Substances: None of the components are listed.

Michigan Critical Material: None of the components are

Minnesota Hazardous Substances: None of the components are listed.

New Jersey Hazardous Substances: None of the

components are listed.

New Jersey Spill: None of the components are listed.

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15. Regulatory information

New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.

New York Acutely Hazardous Substances: None of the components are listed.

New York Toxic Chemical Release Reporting: None of the components are listed.

Pennsylvania RTK Hazardous Substances: None of the components are listed.

Rhode Island Hazardous Substances: None of the components are listed.

Kova-Trol II - Low Abnormal **Connecticut Carcinogen Reporting**: None of the components are listed.

Connecticut Hazardous Material Survey: None of the components are listed.

Florida substances: None of the components are listed. **Illinois Chemical Safety Act**: None of the components are listed.

Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.

Louisiana Reporting: None of the components are listed.
Louisiana Spill: None of the components are listed.
Massachusetts Spill: None of the components are listed.
Massachusetts Substances: None of the components are listed.

Michigan Critical Material: None of the components are listed.

Minnesota Hazardous Substances: None of the components are listed.

New Jersey Hazardous Substances: None of the components are listed.

New Jersey Spill: None of the components are listed. New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.

New York Acutely Hazardous Substances: None of the components are listed.

New York Toxic Chemical Release Reporting: None of the components are listed.

Pennsylvania RTK Hazardous Substances: None of the components are listed.

Rhode Island Hazardous Substances: None of the components are listed.

State regulations - California Prop. 65

: No products were found.

16. Other information

Label requirements

: Kova-Trol I - High

Abnormal

NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

Kova-Trol II - Low Abnormal NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

Date of issue : 10/9/2015

Date of previous issue : 02/27/2015

Notice to reader

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KOVA®-TROL URINE CONTROLS-ABNORMAL

16. Other information

DISCLAIMER: This Safety Data Sheet is offered without charge to the clients of Kova International, Inc. Data is the most current available to Kova International, Inc. at the time of preparation and is issued as a matter of information only, no warranty as to its accuracy or completeness is expressed or implied.

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