

SAFETY DATA SHEET

KOVA® -TROL URINE CONTROLS-ABNORMAL

KOVA

INTERNATIONAL

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation

Product name : KOVA® -TROL URINE CONTROLS-ABNORMAL
Product type : Liquid.
Component : Kova-Trol I - High Abnormal 87325, 87326, 87329, 87332, 87333, 87334, 87332E, 87333E, 87334E, 87325E, 87326E, 87329E, 87325M, 87326M, 87329M, 87332M, 87333M, 87334M, 87200
 Kova-Trol II - Low Abnormal 87128, 87130, 87200, 87128E, 87130E, 87128M, 87130M

Use of the substance/preparation : For *in vitro* diagnostic use only.

Company/undertaking identification

Manufacturer : Kova International, Inc.
 7272 Chapman Avenue, Suite B
 Garden Grove, CA 92841
 United States
 +1-714-902-1700

Emergency telephone number : Contact your local Poison Center
 Contactez votre centre antipoison local

2. HAZARDS IDENTIFICATION

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Kova-Trol I - High Abnormal Not classified.
 Kova-Trol II - Low Abnormal Not classified.

See section 11 for more detailed information on health effects and symptoms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation : Kova-Trol I - High Abnormal Preparation
 Kova-Trol II - Low Abnormal Preparation

| Ingredient name | CAS number | % | EC number | Classification |
|---|------------|---|-----------|----------------|
| No hazardous ingredient See section 16 for the full text of the R-phrases declared above | | | | |

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.

4. FIRST AID MEASURES

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.

KOVA® -TROL URINE CONTROLS-ABNORMAL

| | | |
|---|---|---|
| Product name | : KOVA® -TROL URINE CONTROLS-ABNORMAL | |
| Company/undertaking identification | : Kova International, Inc. 7272 Chapman Avenue, Suite B Garden Grove, CA 92841 United States | |
| Emergency telephone number | : Contact your local Poison Center | |
| Part No. | : Kova-Trol I - High Abnormal | 87325, 87326, 87329, 87332, 87333, 87334, 87332E, 87333E, 87334E, 87325E, 87326E, 87329E, 87325M, 87326M, 87329M, 87332M, 87333M, 87334M, 87200 |
| | : Kova-Trol II - Low Abnormal | 87128, 87130, 87200, 87128E, 87130E, 87128M, 87130M |

4. FIRST AID MEASURES

| | | |
|-----------------------------------|--|--|
| 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. |
| 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. |
| 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. |
| Protection of first-aiders | : Kova-Trol I - High Abnormal | Not applicable. |
| | : Kova-Trol II - Low Abnormal | Not applicable. |
| Notes to physician | : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. | |
| Specific treatments | : Not available. | |

See section 11 for more detailed information on health effects and symptoms.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable : 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.

Hazardous combustion products : Decomposition products may include the following materials:
carbon oxides

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.

KOVA® -TROL URINE CONTROLS-ABNORMAL

| | | | |
|---|---|---|--|
| Product name | : KOVA® -TROL URINE CONTROLS-ABNORMAL | | |
| Company/undertaking identification | : Kova International, Inc. 7272 Chapman Avenue, Suite B Garden Grove, CA 92841 United States | | |
| Emergency telephone number | : Contact your local Poison Center | | |
| Part No. | : Kova-Trol I - High Abnormal | 87325, 87326, 87329, 87332, 87333, 87334, 87332E, 87333E, 87334E, 87325E, 87326E, 87329E, 87325M, 87326M, 87329M, 87332M, 87333M, 87334M, 87200 | |
| | : Kova-Trol II - Low Abnormal | 87128, 87130, 87200, 87128E, 87130E, 87128M, 87130M | |

6. ACCIDENTAL RELEASE MEASURES

| | | |
|----------------------------------|-------------------------------|---|
| Personal precautions | : Kova-Trol I - High Abnormal | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8). |
| | : Kova-Trol II - Low Abnormal | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8). |
| Environmental precautions | : Kova-Trol I - High Abnormal | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| | : Kova-Trol II - Low Abnormal | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Small spill | : Kova-Trol I - High Abnormal | Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. |
| | : Kova-Trol II - Low Abnormal | Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. |

7. HANDLING AND STORAGE

| | | |
|----------------------------|--|---------------------------------|
| Handling | : Kova-Trol I - High Abnormal | Wash thoroughly after handling. |
| | : Kova-Trol II - Low Abnormal | Wash thoroughly after handling. |
| 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. | |
| Packaging materials | | |
| Recommended | : Use original container. | |

KOVA® -TROL URINE CONTROLS-ABNORMAL

| | | | |
|---|---|---|--|
| Product name | : KOVA® -TROL URINE CONTROLS-ABNORMAL | | |
| Company/undertaking identification | : Kova International, Inc. 7272 Chapman Avenue, Suite B Garden Grove, CA 92841 United States | | |
| Emergency telephone number | : Contact your local Poison Center | | |
| Part No. | : Kova-Trol I - High Abnormal | 87325, 87326, 87329, 87332, 87333, 87334, 87332E, 87333E, 87334E, 87325E, 87326E, 87329E, 87325M, 87326M, 87329M, 87332M, 87333M, 87334M, 87200 | |
| | : Kova-Trol II - Low Abnormal | 87128, 87130, 87200, 87128E, 87130E, 87128M, 87130M | |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values

| <u>Ingredient name</u> | <u>Occupational exposure limits</u> |
|------------------------|-------------------------------------|
|------------------------|-------------------------------------|

No exposure limit value known.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure controls

Occupational exposure controls : 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.

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.

Respiratory protection : 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.

Hand protection : 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.

Eye protection : 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 protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance

| | | |
|-----------------------|-------------------------------|-----------------------------|
| Physical state | : Kova-Trol I - High Abnormal | Solid. [Powder.Lyophilised] |
| | : Kova-Trol II - Low Abnormal | Solid. [Powder.Lyophilised] |
| Colour | : Kova-Trol I - High Abnormal | Amber. / Yellow. |
| | : Kova-Trol II - Low Abnormal | Yellow. |

KOVA® -TROL URINE CONTROLS-ABNORMAL

| | | |
|---|---|---|
| Product name | : KOVA® -TROL URINE CONTROLS-ABNORMAL | |
| Company/undertaking identification | : Kova International, Inc. 7272 Chapman Avenue, Suite B Garden Grove, CA 92841 United States | |
| Emergency telephone number | : Contact your local Poison Center | |
| Part No. | : Kova-Trol I - High Abnormal | 87325, 87326, 87329, 87332, 87333, 87334, 87332E, 87333E, 87334E, 87325E, 87326E, 87329E, 87325M, 87326M, 87329M, 87332M, 87333M, 87334M, 87200 |
| | : Kova-Trol II - Low Abnormal | 87128, 87130, 87200, 87128E, 87130E, 87128M, 87130M |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|--------------|-------------------------------|------------|
| Odour | : Kova-Trol I - High Abnormal | Odourless. |
| | : Kova-Trol II - Low Abnormal | Odourless. |

Important health, safety and environmental information

| | | |
|----------------------|-------------------------------|--|
| pH | : Kova-Trol I - High Abnormal | 7 to 9 [Basic.] |
| | : Kova-Trol II - Low Abnormal | 7 to 9 [Basic.] |
| Boiling 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. |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Stability | : The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur. |
| Conditions to avoid | : No specific data. |
| Materials to avoid | : Reactive or incompatible with the following materials: oxidizing materials. |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

11. TOXICOLOGICAL INFORMATION

Potential acute health effects

| | | |
|---------------------|-------------------------------|--|
| Inhalation | : Kova-Trol I - High Abnormal | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | : Kova-Trol II - Low Abnormal | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| Ingestion | : Kova-Trol I - High Abnormal | No known significant effects or critical hazards. |
| | : Kova-Trol II - Low Abnormal | No known significant effects or critical hazards. |
| Skin contact | : Kova-Trol I - High Abnormal | No known significant effects or critical hazards. |
| | : Kova-Trol II - Low Abnormal | No known significant effects or critical hazards. |
| Eye contact | : Kova-Trol I - High Abnormal | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes. |
| | : Kova-Trol II - Low Abnormal | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes. |

Acute toxicity

Conclusion/Summary : Not available.

Potential chronic health effects

Chronic toxicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

KOVA® -TROL URINE CONTROLS-ABNORMAL

| | | | |
|---|---|---|--|
| Product name | : KOVA® -TROL URINE CONTROLS-ABNORMAL | | |
| Company/undertaking identification | : Kova International, Inc. 7272 Chapman Avenue, Suite B Garden Grove, CA 92841 United States | | |
| Emergency telephone number | : Contact your local Poison Center | | |
| Part No. | : Kova-Trol I - High Abnormal | 87325, 87326, 87329, 87332, 87333, 87334, 87332E, 87333E, 87334E, 87325E, 87326E, 87329E, 87325M, 87326M, 87329M, 87332M, 87333M, 87334M, 87200 | |
| | : Kova-Trol II - Low Abnormal | 87128, 87130, 87200, 87128E, 87130E, 87128M, 87130M | |

11. TOXICOLOGICAL INFORMATION

Mutagenicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

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.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation : No specific data.

Ingestion : No specific data.

Skin : No specific data.

Eyes : No specific data.

Other adverse effects : Kova-Trol I - High Abnormal To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.

Kova-Trol II - Low Abnormal To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

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

Aquatic ecotoxicity

Conclusion/Summary : Not available.

Biodegradability

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

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

Other adverse effects : No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Methods of disposal : The generation of waste should be avoided or minimised 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

KOVA® -TROL URINE CONTROLS-ABNORMAL

| | | |
|---|---|---|
| Product name | : KOVA® -TROL URINE CONTROLS-ABNORMAL | |
| Company/undertaking identification | : Kova International, Inc. 7272 Chapman Avenue, Suite B Garden Grove, CA 92841 United States | |
| Emergency telephone number | : Contact your local Poison Center | |
| Part No. | : Kova-Trol I - High Abnormal | 87325, 87326, 87329, 87332, 87333, 87334, 87332E, 87333E, 87334E, 87325E, 87326E, 87329E, 87325M, 87326M, 87329M, 87332M, 87333M, 87334M, 87200 |
| | : Kova-Trol II - Low Abnormal | 87128, 87130, 87200, 87128E, 87130E, 87128M, 87130M |

14. TRANSPORT INFORMATION

Regulatory information

ADR/IMDG / IATA : Not regulated.

15. REGULATORY INFORMATION

EU regulations

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

| | | |
|---------------------------------|--|---|
| Hazard symbol or symbols | : Kova-Trol I - High Abnormal | Not applicable. |
| | : Kova-Trol II - Low Abnormal | Not applicable. |
| Risk phrases | : Kova-Trol I - High Abnormal | This product is not classified according to EU legislation. |
| | : Kova-Trol II - Low Abnormal | This product is not classified according to EU legislation. |
| Safety phrases | : Kova-Trol I - High Abnormal | S36- Wear suitable protective clothing. |
| | : Kova-Trol II - Low Abnormal | S36- Wear suitable protective clothing. |
| Product use | : Kova-Trol I - High Abnormal | Industrial applications. |
| | : Kova-Trol II - Low Abnormal | Industrial applications. |
| Europe inventory | : Europe inventory: At least one component is not listed. | |

16. OTHER INFORMATION

History

| | |
|---|--------------|
| Date of issue / Date of revision | : 02/27/2015 |
| Date of previous issue | : 10/13/2014 |

Notice to reader

DISCLAIMER: This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing the suitability of the Product for a particular application.