

#### **SECTION 1: PRODUCT IDENTIFICATION**

PRODUCT NAME 7-KETO-DHEA (Micronized)

PRODUCT CODE 2418

**SUPPLIER** MEDISCA Inc.

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**EMERGENCY PHONE** CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300

NSW Poisons Information Centre: 131 126

National Chemical Emergency Centre 44(0)1235239670

RECOMMENDED USES Manufacturing and Compounding

**RESTRICTIONS ON USE** Not applicable

#### **SECTION 2: HAZARDS IDENTIFICATION**

**GHS CLASSIFICATION** Based on available data, the classification criteria are not met.

Disposal

**PICTOGRAM** Not Applicable

SIGNAL WORD Warning

HAZARD STATEMENT(S) May be harmful in case of ingestion, inhalation, contact with eyes and contact with skin

ADVERSE PHYSIOCHEMICAL, HUMAN Not Applicable

**HEALTH AND ENVIRONMENTAL** 

**EFFECTS** 

PRECAUTIONARY STATEMENT(S) Prevention Not applicable

> Response Not applicable Not applicable Storage

HMIS CLASSIFICATION 1 Flammability **Health Hazard** 

Reactivity Personal Protection 0

Not applicable

#### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**



**CHEMICAL NAME** 5-Androsten-3ß-ol-7.17-dione

**BOTANICAL NAME** Not applicable

SYNONYM 7-Keto Dehydroepiandrosterone; 7-oxodehydroepiandrosterone

**CHEMICAL FORMULA** C19H26O3 CHEMICAL FAMILY Not available CAS NUMBER 566-19-8 ALTERNATE CAS NUMBER Not applicable

MOLECULAR WEIGHT 302.411

COMPOSITION **CHEMICAL NAME** CAS NUMBER **FC NUMBER** % BY WEIGHT

7-KETO-DHEA 566-19-8 100 Not available

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

#### **SECTION 4: FIRST-AID MEASURES**

IN CASE OF EYE CONTACT Flush with copious amounts of water for 15 minutes, separating eyelids with fingers. If irritation persists seek

medical aid.

IN CASE OF SKIN CONTACT Wash with soap & water for 15 minutes. If irritation persists seek medical aid.

IF SWALLOWED Call a physician. Wash out mouth with water. Do not induce vomiting without medical advice.

IF INHALED Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a

physician

MEDICAL ATTENTION AND SPECIAL

TREATMENT

SYMPTOMS CAUSED BY EXPOSURE

Get emergency medical help.

Not expected to present a significant hazard under anticipated conditions of normal use.

#### **SECTION 5: FIREFIGHTING MEASURES**

SPECIFIC HAZARDS ARISING FROM

THE CHEMICAL

FLAMMABLE PROPERTIES

Slightly flammable to flammable in presence of open flames and sparks, heat.

Non-flammable in presence of shocks.

May be combustible at high temperature.

May form combustible dust concentrations in air.

HAZARDOUS COMBUSTION PRODUCTS

SUITABLE & UNSUITABLE **EXTINGUISHING MEDIA** 

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Under fire conditions, hazardous fumes will be present.

Small fire: dry chemical, CO2 or water spray. Large fire: dry chemical, CO2, alcohol resistant foam or water

spray. Do not get water inside containers.

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

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**METHODS & MATERIAL FOR** CONTAINMENT

On land, sweep or shovel into suitable containers. Minimize generation of dust.

**CLEANUP PROCEDURE** 

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Shut off all sources of ignition. Evacuate the area. If necessary, employ water fog to disperse the vapors. Absorb the matter with compatible vermiculite or other absorbing material. Place in a suitable container and retain for disposal. Ventilate and clean

the affected area. Do not flush into sewerage system or to drains.

REFERENCE TO OTHER SECTIONS

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

#### **SECTION 7: HANDLING AND STORAGE**

PRECAUTIONS FOR SAFE HANDLING Do not inhale. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash

> thoroughly after handling. Store away from incompatible materials, in a well-ventilated area. Eliminate all sources of ignition. Store in accordance with local regulations. Do not store in unlabeled containers. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use

appropriate containment to avoid environmental contamination.

CONDITIONS FOR SAFE STORAGE Store away from incompatible materials, in a well-ventilated area. Eliminate all sources of ignition. Store in

accordance with local regulations. Do not store in unlabeled containers. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use appropriate containment to avoid

environmental contamination.

STORAGE CONDITIONS Store in original container, tightly sealed, protected from direct sunlight and moisture.

> Short term excursions, temperature excursions as experienced during shipping and warehousing, up to 40 °C are acceptable.

#### SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Chemical Name: 7-KETO-DHEA CAS #: 566-19-8

	Country	Limit value-8 hours		Limit value-Short Term		IDLH	REL	Advisory	Notes
		ppm	mg/m³	ppm	mg/m³				
OSHA	USA	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A
ACGIH	USA	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A
NIOSH	USA	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A
WEEL	USA	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A
HSIS	Australia	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A
HSE	UK	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Add Country	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A

N/L = Not listed ; N/A = Not Available

PELs are 8-hour TWAs = Limit value - Eight hours

Ceiling or Short-Term TWA = STEL = Limit value - Short term

**EXPOSURE GUIDELINES** Consult local authorities for provincial or state exposure limits. Particulates not otherwise regulated, respirable

fraction: 5 mg/m3.



PERSONAL PROTECTIVE EQUIPMENT Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by WHMIS or OSHA's

> eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin: Wear appropriate gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to minimize contact with skin. Respirators: Follow WHMIS or OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Thermal Hazards: For products representing a

thermal hazard, appropriate Personal Protective Equipment should be used.

SPECIFIC ENGINEERING CONTROLS

Adequate mechanical ventilation. Fumehood, eye wash station, and safety shower.

**BIOLOGICAL MONITORING CONTROL BANDING** 

Not available

Not available

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE Solid

DESCRIPTION

White crystalline powder.

SOLUBILITY

Very soluble in warm methanol, soluble in ethanol, not soluble in water.

ODOR

Characteristic odor

FLAMMABILITY

May be combustible at high temperature

AUTO-IGNITION
<b>TEMPERATURE</b>

**BOILING POINT** Not available

Not available

DECOMPOSITION **TEMPERATURE** 

Not available

**EVAPORATION RATE** 

Not available

**EXPLOSIVE LIMIT** 

Not available

**FLASH POINT** 

>93.3°C. >199.94°F

(OCTANOL-WATER)

LOWER FLAMMABLE/

Not available

MELTING/FREEZING

(closed cup) (236 - 242)°C,

Not available

EXPLOSIVE LIMIT(S)

**POINT** 

(456.8 - 467.6)°F

**PARTICLE** 

CHARACTERISTICS

Not available

**OXIDIZING PROPERTY** 

Not available

pΗ

Not available

RELATIVE DENSITY (WATER = 1)

Not available

SPECIFIC GRAVITY

Not available

**UPPER FLAMMABLE/** EXPLOSIVE LIMIT(S)

Not available

VAPOR DENSITY

(AIR = 1)

Not available

**VAPOR PRESSURE** 

Not available

VISCOSITY

Not available

The physical data presented above are typical values and should not be construed as a specification.

### **SECTION 10: STABILITY AND REACTIVITY**

REACTIVITY Not established

CHEMICAL STABILITY Stable under recommended storage conditions

**INCOMPATIBLE MATERIALS** Strong oxidants

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HAZARDOUS DECOMPOSITION

**PRODUCTS** 

HAZARDOUS POLYMERIZATION

POSSIBLITY OF HAZARDOUS

REACTION

**CONDITIONS TO AVOID** 

Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides and other gases may occur

Will not occur

Not established

Moisture, sunlight and extreme temperatures

### **SECTION 11: TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY Oral: Rat: LD50: (mg/kg): Not available

Dermal: Rabbit LD50: (mg/kg): Not available Inhalation: Rat: LC50: (mg/L/4hr): Not available

Due to lack of data the classification is not possible.

**SKIN CORROSION/IRRITATION**Due to lack of data the classification is not possible.

SERIOUS EYE DAMAGE/EYE

**IRRITATION** 

**RESPIRATORY SENSITIZATION**Due to lack of data the classification is not possible.

**SKIN SENSITIZATION**Due to lack of data the classification is not possible.

GERM CELL MUTAGENICITY

Due to lack of data the classification is not possible.

CARCINOGENICITY
OSHA
7-KETO-DHEA is not listed.

NTP
7-KETO-DHEA is not listed.

IARC 7-KETO-DHEA is not evaluated.

California This product does not contain any chemicals known to the State of California to cause

**Proposition 65** cancer, birth defects, or any other reproductive harm.

ADDITIONAL CARCINOGENICITY

INFORMATION

Due to lack of data the classification is not possible.

REPRODUCTIVE TOXICITY

SPECIFIC TARGET ORGAN TOXICITY -

SINGLE EXPOSURE

SPECIFIC TARGET ORGAN TOXICITY -

REPEATED EXPOSURE

**ASPIRATION HAZARDS** 

SIGNS AND SYMPTOMS OF

**EXPOSURE** 

Due to lack of data the classification is not possible.

Due to lack of data the classification is not possible.

Due to lack of data the classification is not possible.

Due to lack of data the classification is not possible.

**ROUTES OF EXPOSURE:** 

Oral, Dermal, Inhalation, Eye contact

EARLY ONSET SYMPTOMS RELATED TO EXPOSURE:

Not available

DELAYED HEALTH EFFECT FROM EXPOSURE:

Not available

POTENTIAL HEALTH EFFECTS Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed. May cause gastrointestinal tract irritation. May affect liver and

endocrine system (spleen, thymus).

**Skin** May be harmful if absorbed through skin. May cause skin irritation

Eyes May cause eye irritation.



### **SECTION 12: ECOLOGICAL INFORMATION**

**ECOTOXICITY** EC50: 48 Hr: Crustacea: (mg/L): Not available

LC50: 96 Hr: Fish: (mg/L): Not available

EC50: 72 or 96 Hr: Algae (or other aqua plants): (mg/L): Not available

PERSISTENCE AND DEGRADABILITY Not available **BIOACCUMULATIVE POTENTIAL** Not available

MOBILITY IN SOIL Insoluble in water.

OTHER ADVERSE EFFECTS Not available

This product is not intended to be released into the environment

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

**DISPOSAL METHODS** Dispose of in accordance with federal / local laws and regulations. Avoid release into the environment.

### **SECTION 14: TRANSPORT INFORMATION**

UN PROPER SHIPPING NAME Not dangerous good

**UN NUMBER** Not applicable CLASS Not applicable PACKING GROUP Not applicable

**AUSTRALIA** 

**HAZCHEM** Not applicable

EU

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE

**IBC CODE** 

Not Listed

**ENVIRONMENTAL HAZARDS** Not available SPECIAL SHIPPING INFORMATION Not applicable

### **SECTION 15: REGULATORY INFORMATION**

#### **UNITED STATES REGULATIONS**

Chemical Name	CERCLA 40 CFR	SARA (Title III) 40 CFR Part 372.65	EPA 40 CF	R Part 355	Right-to-know			California Prop 65
& CAS	Part 302.4		Appendix A	Appendix B	Pennsylvania	New Jersey	Massachusetts	110000
7-KETO-DHEA, 566-19-8	N/L	N/L	N/L	N/L	N/L	N/L	N/L	N/L

N/L = Not Listed; X = Listed



#### **AUSTRALIAN REGULATIONS**

Chemical Name & CAS	Poisons and Therapeutic Goods	Therapeutic Goods Act	Code of Practices - Illicit Drug Precursors	Poisons Standard	Work Health and Safety Regulations	Inventory of Industrial Chemcials
7-KETO-DHEA, 566-19-8	Listed	Listed as Schedule 4*	N/L	Listed*	N/L	N/L

N/L = Not Listed

#### **EU REGULATIONS**

Chemical Name & CAS	REACH ANNEX XVII	REACH ANNEX XIV	EC 1005/2009	EC 850/2004	EC 1107/2009	PIC - Prior Informed Consent Regulation	EC 2012/18
7-KETO-DHEA, 566-19-8	N/L	N/L	N/L	N/L	N/L	N/L	N/L

N/L = Not Listed; X = Listed

Any EU regulation not listed above is not applicable to this product.

SUBJECT TO INTERNATIONAL

Not applicable

**AGREEMENT** 

NOTES \*Listed as Prasterone

#### **SECTION 16: OTHER INFORMATION**

#### **REFERENCES**

#### ABBREVIATIONS AND ACRONYMS

Available upon request

ACGIH - American Conference of Governmental Industrial Hygienists; AIHA WEEL - American Industrial Hygiene Association Workplace Environment Exposure Levels; CAESAR - Computer Assisted Evaluation of industrial chemical Substances According to Regulations; CAS - Chemical Abstract Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; EC50 - Effective Concentration, 50%; EPA - Environmental Protection Agency; GHS - Global Harmonized System; HMIS - Hazardous Materials Information System; HSE - Health and Safety Executive; HSIS - Hazardous Substances Information System; IARC - International Agency for Research on Cancer; IDLH - Immediately Dangerous to Life or Health; IRFMN - Ready Biodegradability Model; ISS - Instituto Superiore Sanità; LC50 - Lethal Concentration, 50%; LD50 - Lethal Dose, 50%; MSHA - Mine Safety and Health Administration; NIOSH - National Institute for Occupational Safety and Health; NTP - National Toxicology Program; OSHA PEL - Occupational Safety & Health Administration Permissible Exposure Limits; QSAR - Quantitative Structure-activity relationship; REL - Recommended Exposure Limit; SARA - Superfund Amendments and Reauthorization Act; STEL - Short Term Exposure Limit; TLV - Threshold Limit Value; TWA - Time Weighted Average; WHMIS - Workplace Hazardous Materials Information System

LAST REVISION SUPERSEDES 02/2023

04/2021

For a list of changes to the SDS since the last version, please communicate with MEDISCA at <a href="https://www.medisca.com">www.medisca.com</a>

DISCLAIMER

This document was created in accordance with OSHA, Safe Work Australia and WHMIS regulations. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. MEDISCA® shall not be held liable for any damage resulting from handling or from contact with the above product. Recipients of the product must take responsibility for observing existing laws and regulations.



SUPPLEMENTARY INFORMATION

For all country specific requirements not outlined on this Safety Data Sheet, please request Supplementary Page to this Safety Data Sheet.

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