MATERIAL SAFETY DATA SHEET

Date Printed: 05/22/2009 Date Updated: 04/02/2009

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Version 1.4
Section 1 - Product and Company Information
Product Name
                              1,4-ANDROSTADIENE-3,17-DIONE
                             A7505
Product Number
Brand
                              SIGMA
                              Sigma-Aldrich Canada, Ltd
Company
Address
                              2149 Winston Park Drive
                              Oakville ON L6H 6J8 CA
                              9058299500
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Technical Phone: 9058299292 Fax: Emergency Phone: 800-424-9300

Section 2 - Composition/Information on Ingredient Substance Name SARA 313 (+)-ANDROSTA-1,4-DIENE-3,17-DIONE,

Formula C19H24O2

Chemical Family This material is synthetic and not isolated from a natural source. 1,4-Androstadiene-3,17-dione * Synonyms delta-1,4-Androstadiene-3,17-dione

BV7988000 RTECS Number:

Section 3 - Hazards Identification EMERGENCY OVERVIEW

Caution: The chemical, physical, and toxicological properties of this product have not been thoroughly investigated. Exercise due

HMIS RATING HEALTH: 3 FLAMMABILITY: 0 REACTIVITY: 0

NFPA RATING HEALTH: 3 FLAMMABILITY: 0 REACTIVITY: 0 For additional information on toxicity, please refer to Section 11. Section 4 - First Aid Measures ORAL EXPOSURE If swallowed, wash out mouth with water provided person is

INHALATION EXPOSURE If inhaled, remove to fresh air. If breathing becomes difficult,

conscious. Call a physician.

Section 5 - Fire Fighting Measures

Section 6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Suitable: Keep tightly closed.

Section 8 - Exposure Controls / PPE

Mechanical exhaust required.

14387) respirator cartridges.

Eye: Chemical safety goggles.

Wash thoroughly after handling.

GENERAL HYGIENE MEASURES

Saturated Vapor Conc.

Partition Coefficient N/A Decomposition Temp. N/A

Hand: Compatible chemical-resistant gloves.

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

Wear protective equipment.

METHODS FOR CLEANING UP

ENGINEERING CONTROLS

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MP/MP Range Freezing Point

Vapor Pressure

Vapor Density

Bulk Density Odor Threshold

Flash Point

Flammability

Explosion Limits

Autoignition Temp Refractive Index

investigated.

No data available.

regulations.

DOT

IATA

CHRONIC EXPOSURE - CARCINOGEN

CHRONIC EXPOSURE - TERATOGEN

Section 13 - Disposal Considerations

Section 14 - Transport Information

Proper Shipping Name: None

UNITED STATES REGULATORY INFORMATION

CANADA REGULATORY INFORMATION

Section 16 - Other Information

paper copies for internal use only.

SARA LISTED: No

DSL: No NDSL: No

DISCLAIMER

WARRANTY

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DERMAL EXPOSURE

FLASH POINT N/A

FIREFIGHTING

STORAGE

EXTINGUISHING MEDIA

Call a physician.

call a physician.

In case of skin contact, flush with copious amounts of water for least 15 minutes. Remove contaminated clothing and shoes.

EYE EXPOSURE In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by

separating the eyelids with fingers. Call a physician.

AUTOIGNITION TEMP N/A FLAMMABILITY N/A

Suitable: Carbon dioxide, dry chemical powder, or appropriate

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

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL Evacuate area.

Section 7 - Handling and Storage HANDLING User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

PERSONAL PROTECTIVE EQUIPMENT Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN

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Section 9 - Physical/Chemical Properties Molecular Weight 284.4 AMU N/A BP/BP Range N/A

138.0 - 139.0 °c

Volatile% N/A VOC Content N/A Water Content N/A Solvent Content N/A N/A Evaporation Rate Viscosity Surface Tension N/A

Optical Rotation N/A Miscellaneous Data N/A Solubility N/A N/A - not available Section 10 - Stability and Reactivity STABILITY Stable: Stable. HAZARDOUS DECOMPOSITION PRODUCTS Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide. HAZARDOUS POLYMERIZATION Hazardous Polymerization: Will not occur Section 11 - Toxicological Information ROUTE OF EXPOSURE Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption. SIGNS AND SYMPTOMS OF EXPOSURE Some steroids show carcinogenic and teratogenic activity. CONDITIONS AGGRAVATED BY EXPOSURE The toxicological properties have not been thoroughly

Species: Rat Dose: 300 MG/KG Route of Application: Subcutaneous Exposure Time: (15-20D PREG) Result: Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus). Section 12 - Ecological Information

Dissolve or mix the material with a combustible solvent and burn

in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

Non-Hazardous for Air Transport: Non-hazardous for air

Result: Some steroids show carcinogenic and teratogenic activity.

Result: Some steroids show carcinogenic and teratogenic activity.

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transport. Section 15 - Regulatory Information US CLASSIFICATION AND LABEL TEXT US Statements: Caution: The chemical, physical, and toxicological properties of this product have not been thoroughly investigated. Exercise due care.

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS

For R&D use only. Not for drug, household or other uses.

contains all the information required by the CPR.

purport to be all inclusive and shall be used only as a guide. The SIGMA - A7505 www.sigma-aldrich.com Page 4

knowledge and is applicable to the product with regard to

information in this document is based on the present state of our

shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc.,

The above information is believed to be correct but does not

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