MATERIAL SAFETY DATA SHEET

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SARA 313

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Section 1 - Product and Company Information
                 ALDOSTERONE
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Product Name Product Number 05521 Brand FLUKA

Sigma-Aldrich Canada, Ltd Company Address 2149 Winston Park Drive Oakville ON L6H 6J8 CA

Technical Phone: 9058299500 9058299292 800-424-9300

Fax: Emergency Phone: Section 2 - Composition/Information on Ingredient

Substance Name CAS # ALDOSTERONE 52-39-1

C21H28O5 Formula Aldocorten * Aldocortene * Aldocortin * Synonyms

Section 3 - Hazards Identification

Aldosterone (8CI) * (+)-Aldosterone 3 d-Aldosterone * Electrocortin * Elektrocortin *

18-Oxocorticosterone * Reichstein X RTECS Number: TU4523000

EMERGENCY OVERVIEW

Caution: Avoid contact and inhalation. Target organ(s): Kidneys. HMIS RATING

FLAMMABILITY: 0 REACTIVITY: 0 NFPA RATING

FLAMMABILITY: 0

FLASH POINT

EXTINGUISHING MEDIA

HEALTH: 1

HEALTH: 1

REACTIVITY: 0 For additional information on toxicity, please refer to Section 11.

ORAL EXPOSURE If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Section 4 - First Aid Measures

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

DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious amounts of water. 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.

N/A AUTOIGNITION TEMP

skin or eyes and prevent inhalation of dust.

N/A FLAMMABILITY N/A

Suitable: Water spray. Carbon dioxide, dry chemical powder, or

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

appropriate foam. FIREFIGHTING

Section 5 - Fire Fighting Measures

Section 6 - Accidental Release Measures PROCEDURE(S) OF PERSONAL PRECAUTION(S) Exercise appropriate precautions to minimize direct contact with

METHODS FOR CLEANING UP

ENGINEERING CONTROLS

HANDLING

pickup is complete. Section 7 - Handling and Storage

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material

STORAGE Suitable: Keep tightly closed. Store at 2-8°C

Safety shower and eye bath. Mechanical exhaust required.

and clothing. Avoid prolonged or repeated exposure.

User Exposure: Avoid inhalation. Avoid contact with eyes, skin,

under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or

type Pl (EN 143) dust masks. Hand: Protective gloves.

Eye: Chemical safety goggles.

Wash thoroughly after handling.

PERSONAL PROTECTIVE EQUIPMENT

GENERAL HYGIENE MEASURES

Property

Molecular Weight

BP/BP Range

MP/MP Range

Volatile%

Viscosity

Flash Point

VOC Content Water Content Solvent Content Evaporation Rate

Surface Tension

Partition Coefficient N/A Decomposition Temp.

Freezing Point

Vapor Pressure Vapor Density

Section 8 - Exposure Controls / PPE

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Respiratory: Use respirators and components tested and approved

Section 9 - Physical/Chemical Properties Physical State: Solid Appearance Color: White Form: Powder

At Temperature or Pressure

Saturated Vapor Conc. N/A SG/Density Bulk Density Odor Threshold N/A

360.45 AMU

Value

N/A

N/A

N/A

N/A

N/A

N/A

Explosion Limits N/A Flammability Autoignition Temp N/A Refractive Index N/A Optical Rotation Miscellaneous Data N/A Solubility N/A N/A - not available Section 10 - Stability and Reactivity STABILITY Stable: Stable. Materials to Avoid: Strong oxidizing agents. HAZARDOUS DECOMPOSITION PRODUCTS Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide. HAZARDOUS POLYMERIZATION Hazardous Polymerization: Will not occur Section 11 - Toxicological Information ROUTE OF EXPOSURE Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: May cause eye irritation. Inhalation: May be harmful if inhaled. Material may be FLUKA - 05521 www.sigma-aldrich.com Page 3

irritating to mucous membranes and upper respiratory tract.

Aldosterone exerts regulatory influence on metabolism of electrolytes and water. Some steroids show carcinogenic and

Ingestion: May be harmful if swallowed.

TARGET ORGAN(S) OR SYSTEM(S)

teratogenic activity.

CHRONIC EXPOSURE - MUTAGEN

Route: Intravenous Dose: 23 MG/KG

Species: Rat

Species: Rat

No data available.

DOT

CHRONIC EXPOSURE - CARCINOGEN

Mutation test: DNA damage

Section 13 - Disposal Considerations

Route: Intraperitoneal

SIGNS AND SYMPTOMS OF EXPOSURE

Kidneys.

Dose: 23 MG/KG Mutation test: Unscheduled DNA synthesis Section 12 - Ecological Information

Contact a licensed professional waste disposal service to dispose of this material. 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

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

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

Result: Some steroids show carcinogenic and teratogenic activity.

Non-Hazardous for Air Transport: Non-hazardous for air transport. Section 15 - Regulatory Information

UNITED STATES REGULATORY INFORMATION

EU ADDITIONAL CLASSIFICATION

s: 22-24/25

FLUKA - 05521

DSL: No NDSL: Yes

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SARA LISTED: No

TSCA INVENTORY ITEM: Yes

CANADA REGULATORY INFORMATION

Section 16 - Other Information

environmental regulations.

Proper Shipping Name: None

Section 14 - Transport Information

and eyes. US CLASSIFICATION AND LABEL TEXT US Statements: Caution: Avoid contact and inhalation. Target organ(s): Kidneys.

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Safety Statements: Do not breathe dust. Avoid contact with skin

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

The above information is believed to be correct but does not

knowledge and is applicable to the product with regard to

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

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

contains all the information required by the CPR.

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