

# Myristoyl coenzyme A: sc-286320



The Power to Question

## MATERIAL SAFETY DATA SHEET

### SECTION 1. CHEMICAL IDENTIFICATION

**PRODUCT NAME:** Myristoyl coenzyme A

**CATALOG NBR:** sc-286320

**SYNONYMS:** s-tetradecanoyl-coenzyme A; MYRISTOYL COENZYME A MONOHYDRATE\*; [(2R,3R,4R,5R)-5-(6-aminopurin-9-yl)-4-hydroxy-2-[[[hydroxy-[hydroxy-[3-hydroxy-2,2-dimethyl-3-[2-(2-tetradecanoylsulfanylethylcarbamoyl)ethylcarbamoyl]propoxy]phosphoryl]oxy-phosphoryl]oxymethyl]oxolan-3-yl]oxyphosphonic acid; Tetradecanoyl-CoA; MYRISTOYL-COA; coenzyme A myristoyl derivative, monohydrate; Tetradecanoyl coenzyme A; S-[2-[3-[4-[[[(2R,3S,4R,5R)-5-(6-aminopurin-9-yl)-4-hydroxy-3-phosphonooxyoxolan-2-yl]methoxy-hydroxyphosphoryl]oxy-hydroxyphosphoryl]oxy-2-hydroxy-3,3-dimethylbutanoyl]amino]propanoylamino]ethyl] tetradecanethioate; S-[2-[3-[4-[[[(2R,3S,4R,5R)-5-(6-azanylpurin-9-yl)-4-hydroxy-3-phosphonooxy-oxolan-2-yl]methoxy-hydroxy-phosphoryl]oxy-hydroxy-phosphoryl]oxy-2-hydroxy-3,3-dimethyl-butanoyl]amino]propanoylamino]ethyl] tetradecanethioate; tetradecanethioic acid S-[2-[3-[4-[[[(2R,3S,4R,5R)-5-(6-aminopurin-9-yl)-4-hydroxy-3-phosphonooxy-tetrahydrofuran-2-yl]methoxy-hydroxy-phosphoryl]oxy-hydroxy-phosphoryl]oxy-2-hydroxy-3,3-dimethyl-butanoyl]amino]propanoylamino]ethyl] ester;

**SUPPLIER:** Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, CA 95060  
800.457.3801 or 831.457.3800

**EMERGENCY:** ChemWatch  
Within the US & Canada: 877-715-9305  
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

**CAS #:** 3130-72-1

**MF:** C<sub>35</sub>H<sub>62</sub>N<sub>7</sub>O<sub>17</sub>P<sub>3</sub>S

**WEIGHT:** 977.9

### SECTION 3. HAZARDS IDENTIFICATION

NOT AVAILABLE.

**POTENTIAL HEALTH EFFECTS:** THE TOXICOLOGICAL PROPERTIES OF THIS MATERIAL HAVE NOT BEEN INVESTIGATED. USE APPROPRIATE PROCEDURES TO PREVENT OPPORTUNITIES FOR DIRECT CONTACT WITH THE SKIN OR EYES AND TO PREVENT INHALATION.

### SECTION 4. FIRST-AID MEASURES

**EYES:** NOT AVAILABLE.

**SKIN:** NOT AVAILABLE.

**INHALATION:** NOT AVAILABLE.

**INGESTION:** DO NOT INDUCE VOMITING. IF CONSCIOUS AND ALERT, RINSE MOUTH AND DRINK 2-4 CUPFULS OF MILK OR WATER.

**NOTES FOR PHYSICIAN:** TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

### SECTION 5. FIRE FIGHTING MEASURES

**FLASH POINT:** NOT AVAILABLE

**AUTOIGNITION TEMPERATURE:** NOT AVAILABLE

**UPPER FLAMMABLE LIMITS IN AIR, BY % VOLUME:** NOT AVAILABLE

**LOWER FLAMMABLE LIMITS IN AIR, BY % VOLUME:** NOT AVAILABLE

**EXTINGUISHING MEDIA:** NOT AVAILABLE.

**GENERAL INFORMATION:** AS IN ANY FIRE, WEAR A SELF-CONTAINED BREATHING APPARATUS IN PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT), AND FULL PROTECTIVE GEAR.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

USE PROPER PERSONAL PROTECTIVE EQUIPMENT AS INDICATED IN SECTION 8. SPILLS AND LEAKS: SWEEP UP, THEN PLACE INTO A SUITABLE CONTAINER FOR DISPOSAL.

## **SECTION 7. HANDLING AND STORAGE**

**HANDLING:** NOT AVAILABLE.

**STORAGE:** KEEP COOL AND DRY. STORE AT -20° C.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP AIRBORNE CONCENTRATIONS BELOW THE PERMISSIBLE EXPOSURE LIMITS.

**EYES:** WEAR SAFETY GLASSES AND CHEMICAL GOGGLES IF SPLASHING IS POSSIBLE.

**SKIN AND CLOTHING:** WEAR APPROPRIATE PROTECTIVE GLOVES AND CLOTHING TO PREVENT SKIN EXPOSURE. WEAR APPROPRIATE PROTECTIVE CLOTHING TO MINIMIZE CONTACT WITH SKIN.

**RESPIRATORS:** WEAR A NIOSH/MSHA OR EUROPEAN STANDARD EN 149 APPROVED FULL-FACEPIECE AIRLINE RESPIRATOR IN THE POSITIVE PRESSURE MODE WITH EMERGENCY ESCAPE PROVISIONS.

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

**APPEARANCE:** NOT AVAILABLE

**pH:** NOT AVAILABLE

**VAPOR PRESSURE:** NEGLIGIBLE.

**VISCOSITY:** NOT AVAILABLE

**BOILING POINT:** NOT AVAILABLE

**FREEZING / MELTING POINT:** NOT AVAILABLE

## **SECTION 10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** STABLE UNDER NORMAL TEMPERATURES AND PRESSURES.

**CONDITIONS TO AVOID:** INCOMPATIBLE MATERIALS.

**INCOMPATIBILITY WITH OTHER MATERIALS:** OXIDIZING AGENTS, REDUCING AGENTS, BASES, ALKALI METALS.

**HAZARDOUS DECOMPOSITION PRODUCTS:** CARBON MONOXIDE, CARBON DIOXIDE.

**HAZARDOUS POLYMERIZATION:** HAS NOT BEEN REPORTED.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

**RTECS#:**

CAS# 3130-72-1: NOT AVAILABLE

**LD50/LC50:**

CAS# 3130-72-1 : NOT AVAILABLE.

**CARCINOGENICITY:**

CAS# 3130-72-1 : NOT LISTED BY ACGIH, IARC, NIOSH, NTP, OR OSHA. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

## **SECTION 12. ECOLOGICAL INFORMATION**

DATA NOT YET AVAILABLE.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

DISPOSE OF IN A MANNER CONSISTENT WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

## **SECTION 14. TRANSPORT INFORMATION**

NO INFORMATION AVAILABLE.

## **SECTION 15. REGULATORY INFORMATION**

### **U.S. FEDERAL REGULATIONS:**

#### **TSCA:**

CAS# 3130-72-1 IS LISTED ON THE TSCA INVENTORY.

### **EUROPEAN/INTERNATIONAL REGULATIONS**

#### **EUROPEAN LABELING IN ACCORDANCE WITH EC DIRECTIVES**

**HAZARD SYMBOLS:** NOT AVAILABLE.

#### **RISK PHRASES:**

NOT AVAILABLE

#### **SAFETY PHRASES:**

S 24/25 AVOID CONTACT WITH SKIN AND EYES.

#### **WGK (WATER DANGER/PROTECTION)**

CAS# 3130-72-1 : NO INFORMATION AVAILABLE.

#### **UNITED KINGDOM OCCUPATIONAL EXPOSURE LIMITS**

#### **UNITED KINGDOM MAXIMUM EXPOSURE LIMITS**

#### **CANADA – DSL/NDSL**

CAS# 3130-72-1 IS LISTED ON CANADA'S DSL LIST.

#### **CANADIAN INGREDIENT DISCLOSURE LIST**

CAS# 3130-72-1 : IS NOT LISTED ON CANADA'S INGREDIENT DISCLOSURE LIST.

#### **EXPOSURE LIMITS**

## **SECTION 16. OTHER INFORMATION**

*The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.*

2/10/2011

DISPOSE OF IN A MANNER CONSISTENT WITH FEDERAL, STATE, AND LOCAL REGULATIONS.