

# Difluoromethylornithine: sc-204723



## MATERIAL SAFETY DATA SHEET

*The Power to Question*

### SECTION 1. CHEMICAL IDENTIFICATION

**PRODUCT NAME:** Difluoromethylornithine

**CATALOG NBR:** sc-204723

**SYNONYMS:** Eflornithine, DFMO

**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 #: 70052-12-9

MF:  $C_6H_{12}N_2O_2F_2$

MW: 182.15

PURITY:

### 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

FLAMMABLE LIMITS IN AIR, BY % VOLUME

UPPER: NOT AVAILABLE

LOWER: 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: STORE AT -20° C. KEEP DRY.

## **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:  
pH: NOT AVAILABLE  
VAPOR PRESSURE: NEGLIGIBLE.  
VISCOSITY: NOT AVAILABLE  
BOILING POINT:  
FREEZING/MELTING POINT

## **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# 70052-12-9  
LD50/LC50:  
CAS# 70052-12-9 :  
NOT AVAILABLE.  
CARCINOGENICITY:  
CAS# 70052-12-9 : 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# 70052-12-9 IS LISTED ON THE TSCA INVENTORY.

### **EUROPEAN/INTERNATIONAL REGULATIONS**

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

**HAZARD SYMBOLS:** NOT AVAILABLE.

#### **RISK PHRASES:**

#### **SAFETY PHRASES:**

S 24/25 AVOID CONTACT WITH SKIN AND EYES.

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

CAS# 70052-12-9 : NO INFORMATION AVAILABLE.

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

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

#### **CANADA – DSL/NDSL**

CAS# 70052-12-9 IS LISTED ON CANADA'S DSL LIST.

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

CAS# 70052-12-9 : 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.*

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