

2H,2H,3H,3H-Perfluorodecanoic acid: sc-260345



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: NAME
Product Number: SCNUMBER
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

2. HAZARDS IDENTIFICATION

Emergency Overview

Hazard Classification

Harmful, Corrosive

Hazard statement(s)

Harmful by inhalation, in contact with skin and if swallowed. causes skin burns and eye damage. Destructive to the respiratory tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula: C₁₀H₅F₁₅O₂
Molecular weight: 442.12
CAS #: 812-70-4

4. FIRST AID MEASURES

General advice

If inhaled

Remove to fresh air. if not breathing give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

In case of skin contact

Wash skin immediately with soap and copious amounts of water. Consult a physician.

In case of eye contact

Assure adequate flushing of the eyes by separating the eyelids with fingers. Consult a physician.

If swallowed

Wash out mouth with water provided person is conscious. Consult a physician.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Hazardous combustion products

Emits toxic fumes under fire conditions.

Special protective equipment for firefighters

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Avoid dust formation. Avoid breathing dust, vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and clean up

Evacuate personnel to a safe place. Sweep up material and dispose of as hazardous waste. Place in container for disposal according to local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin, clothing and eyes. avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage

Keep tightly closed. normal measures for preventive fire protection. Store in a cool dry place. Store under nitrogen. Avoid direct sunlight. Store at room temperature.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering measures

Safety shower and eye bath. Mechanical exhaust required.

Personal protective equipment

Respiratory protection

where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands.

Eye protection

Tightly fitting chemical safety goggles.

Hygiene measures

Wash hands thoroughly after handling. Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid
Melting point	no data available
Flash point	no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended conditions.

Materials to avoid

Strong oxidizing agents, strong bases.

Conditions to avoid

Open fire and flames, extremes of temperature, moisture and direct sunlight.

Hazardous decomposition products

Hazardous decomposition products: carbon oxides, hydrogen fluoride

11. TOXICOLOGICAL INFORMATION

Route of exposure

Inhalation	Harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Ingestion	Harmful if swallowed.
Skin	Harmful if absorbed through skin. Causes skin burns.

Eyes Causes eye burns.

Signs and symptoms of exposure

To the best of our knowledge, the toxicological properties of this product have not been fully determined.

12. ECOLOGICAL INFORMATION

Toxicity

no data available

Bioaccumulative potential

no data available

PBT and vPvB assessment

no data available

Persistence and degradability

no data available

Mobility in soil

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT (US)

UNID: 3261 Class: 8 Packing group: III

IATA

UNID: 3261 Class: 8 Packing group: III

15. REGULATORY INFORMATION

EU Classification

Harmful, Corrosive

Hazardous labeling

Pictogram



Signal Word

Xn, C

R-phrases(s)

R20/21/22

Harmful by inhalation, in contact with skin and if swallowed

R34

Causes burns.

S-Phrase(s)

S13

Keep away from food, drink and animal foodstuffs.

S22

Do not breathe dust.

S24/25

Avoid contact with skin and eyes.

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice,

S36/S37/S39

Wear suitable protective clothing, gloves and eye/face protection.

S45

In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

US Inventories

TSCA: not listed on TSCA inventory

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.

04/07/2014