## SIGMA-ALDRICH

Company

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# Material Safety Data Sheet

Concentration

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Version 3.0 Revision Date 12/28/2008 Print Date 03/06/2009

### Product name 3,5-Diiodo-L-thyronine

1. PRODUCT AND COMPANY IDENTIFICATION

Product Number D0629

Brand Sigma

> OAKVILLE ON L6H 6J8 CANADA : +1 9058299500

: Sigma-Aldrich Canada, Ltd. 2149 Winston Park Drive

: +1 9058299292 : 800-424-9300

Emergency Phone # 2. COMPOSITION/INFORMATION ON INGREDIENTS

 O-(4-Hydroxyphenyl)-3,5-diiodo-L-tyrosine Synonyms 3,5-Diiodo-4-(4-hydroxyphenoxy)-L-phenylalanine

: C<sub>15</sub>H<sub>13</sub>I<sub>2</sub>NO<sub>4</sub> Formula

Molecular Weight : 525.08 g/mol

EC-No. CAS-No. Index-No.

213-867-7 1041-01-6 3. HAZARDS IDENTIFICATION

Toxic by ingestion

#### Toxic Material Causing Immediate and D1B Serious Toxic Effects

WHMIS Classification

3,5-Diiodothyronine

Health Hazard: Flammability:

HMIS Classification 2 0

0

Wash off with soap and plenty of water. Consult a physician.

no data available

Wear self contained breathing apparatus for fire fighting if necessary.

Keep container tightly closed in a dry and well-ventilated place.

Physical hazards: Potential Health Effects Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation. Ingestion

Toxic if swallowed. 4. FIRST AID MEASURES

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If inhaled

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

Flammable properties Flash point

5. FIRE-FIGHTING MEASURES

In case of skin contact

In case of eye contact

Ignition temperature no data available Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

## Personal precautions Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental precautions Do not let product enter drains.

Methods for cleaning up

7. HANDLING AND STORAGE

6. ACCIDENTAL RELEASE MEASURES

Special protective equipment for fire-fighters

Handling Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Keep in a dry place. 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values. Personal protective equipment

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1

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(EN 143) respirator. Use respirators and components tested and approved under appropriate government

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standards such as NIOSH (US) or CEN (EU).

Respiratory protection

Safety glasses

Hygiene measures

place.

iodide

Acute toxicity

Sensitisation

Skin and body protection

Recommended storage temperature: -20 °C

Hand protection Handle with gloves. Eye protection

Choose body protection according to the amount and concentration of the dangerous substance at the work

no data available Irritation and corrosion no data available

11. TOXICOLOGICAL INFORMATION

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

no data available Further information on ecology no data available

Dispose of as unused product. 14. TRANSPORT INFORMATION DOT (US)

DSL Status This product contains the following components that are not on the Canadian DSL nor NDSL lists. 3,5-Diiodothyronine

Toxic Material Causing Immediate and

Serious Toxic Effects

WHMIS Classification

D1B

16. OTHER INFORMATION

guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Co., 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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Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance Form powder Colour beige Safety data рΗ no data available 255 °C (491 °F) Melting point Boiling point no data available Flash point no data available Ignition temperature no data available Lower explosion limit no data available Upper explosion limit no data available no data available Water solubility Partition coefficient: log Pow: -0.382 n-octanol/water 10. STABILITY AND REACTIVITY Storage stability Stable under recommended storage conditions. Materials to avoid Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Hydrogen

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May be harmful if inhaled. May cause respiratory tract irritation.

May cause eye irritation.

Toxic if swallowed.

Elimination information (persistence and degradability)

May be harmful if absorbed through skin. May cause skin irritation.

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Signs and Symptoms of Exposure To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

13. DISPOSAL CONSIDERATIONS

Contaminated packaging

Not dangerous goods

Not dangerous goods

Not dangerous goods

IMDG

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Inhalation

Ingestion

Skin

Eyes

no data available Chronic exposure

Product Observe all federal, state, and local environmental regulations. 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.

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Toxic by ingestion

CAS-No. 1041-01-6

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15. REGULATORY INFORMATION

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