

Fluorescein
MSDS# 90367

Section 1 - Chemical Product and Company Identification

MSDS Name:

Fluorescein

Catalog Numbers:

F/1200/46, F/1200/48

Synonyms:

9-(o-Carboxyphenyl)-6-hydroxy-3-isoxanthenone; Dihydroxyfluorane;
3,6-Fluorandiol.

Company Identification: Fisher Scientific UK

Bishop Meadow Road, Loughborough

Leics. LE11 5RG

For information in Europe, call: (01509) 231166

Emergency Number, Europe:

01509 231166

Section 2 - Composition, Information on Ingredients

CAS#: 2321-07-5
Chemical Name: Fluorescein
%: 100 %
EINECS#: 219-031-8

Hazard Symbols:

XI

Risk Phrases:

36 43

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Irritating to eyes. May cause sensitization by skin contact.

Potential Health Effects

Eye:

Causes eye irritation. May cause chemical conjunctivitis.

Skin:

May cause skin irritation. May be harmful if absorbed through the skin. May cause sensitization by skin contact.

Ingestion:

May cause irritation of the digestive tract. May be harmful if swallowed.

Inhalation:

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

Chronic:

No information found.

Section 4 - First Aid Measures

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Section 5 - Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Reduce airborne dust and prevent scattering by

moistening

with water. Clean up spills immediately, observing precautions in the Protective Equipment section.

Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage:

Store in a cool, dry place. Keep container closed when not in use.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general

or

local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

CAS# 2321-07-5:

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if

irritation or other symptoms are experienced.
Section 9 - Physical and Chemical Properties

Physical State: Solid
Color: red-orange
Odor: None reported.
pH: Not available
Vapor Pressure: Not available
Viscosity: Not available
Boiling Point: Not available
Freezing/Melting Point: 290 deg C (554.00°F)
Autoignition Temperature: Not applicable
Flash Point: Not applicable.
Explosion Limits: Lower:Not available
Explosion Limits: Upper:Not available
Decomposition Temperature: Not available
Solubility in water: Insoluble in water.
Specific Gravity/Density: Not available.
Molecular Formula: C20H12O5
Molecular Weight: 332.081

Section 10 - Stability and Reactivity

Chemical Stability:
Stable under normal temperatures and pressures.
Conditions to Avoid:
Incompatible materials, dust generation.
Incompatibilities with Other Materials
Not available
Hazardous Decomposition Products
Carbon monoxide, carbon dioxide.
Hazardous Polymerization
Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 2321-07-5: LM5075000
LD50/LC50:
RTECS: CAS# 2321-07-5: Draize test, rabbit, eye: 100
uL/24H Severe;.
Carcinogenicity:
Fluorescein -
Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:
Standard Draize Test: Administration into the eye (rabbit) = 100
uL/24H (Severe).

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

Products considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location.
Contact a specialist disposal company or the local authority or advice. Empty containers must be decontaminated before returning for recycling.

Section 14 - Transport Information

IATA

Shipping Name: Not regulated as a hazardous material
Hazard Class:
UN Number:
Packing Group:

IMO

Shipping Name: Not regulated as a hazardous material
Hazard Class:
UN Number:
Packing Group:

RID/ADR

Shipping Name: Not regulated as a hazardous material
Hazard Class:
UN Number:
Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases:

R 36 Irritating to eyes.
R 43 May cause sensitization by skin contact.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately
with plenty of water and seek medical advice.
S 37/39 Wear suitable gloves and eye/face
protection.

WGK (Water Danger/Protection)

CAS# 2321-07-5: 1

Canada

CAS# 2321-07-5 is listed on Canada's DSL List

US Federal

TSCA

CAS# 2321-07-5 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date:

12/12/1997

Revision #4 Date

5/17/2007

Revisions were made in Sections:

2, 3

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