Vickers Laboratories Ltd - Safety Data Sheet

3317

(in accordance with regulation (EU) 2015/830 and regulation (EC) 1272/2008)

Revision: 1.2 Revision date: 16 April 2021
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Section 1. Identification

1.1 Product Identifier 3317

Product Name DI(DODECANOYL) PEROXIDE

CAS Number 105-74-8

REACH Registration No A registration number is not available as the substance or its uses are exempt, the

annual tonnage does not require a registration or the registration is envisaged for a

later date.

Molecular Formula

C, H, O, = 398.62

1.2 Relevent identified uses of the substance or mixure & uses advised against

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

1.3 Supplier Vickers Laboratories Ltd



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4hr) 11

(Have this document to hand)

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to regulation 1272/2008/EC

Organic peroxide, type D H242: Heating may cause a fire.

2.2 Label elements

Labelling according to regulation 1272/2008/EC

Signal word Danger

Hazard Pictograms



Hazard Statements Heating may cause a fire.

Precautionary Statements

Keep away from heat / sparks/open flames/hot surfaces - No smoking. Keep / Store away from clothing / combustible materials. Keep only in original container. Wear protective gloves / protective clothing / eye

protection. Use dry powder for extinction. Store in a well ventilated place. Keep cool.

Section 3. Composition

3.1 Substances

Component	CAS No.	EEC No.	REACH No.	Conc w/w	CLP Classification (1272/2008/CE)
Di(dodecanoyl) peroxide	105-74-8	203-326-3		>97%	Org. Perox. D

Section 4. First Aid

4.1 Description of first aid measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open.

Skin Thoroughly wash off skin with soap and water. Remove contaminated clothing immediately and wash before re-

use

Inhalation Remove from exposure. Keep warm and at rest. If there is difficulty in breathing give oxygen if available. If

breathing stops or shows signs of failing, apply artificial resuscitation. If unconscious place in the recovery

position. OBTAIN MEDICAL ATTENTION URGENTLY.

Ingestion Wash out the patients mouth thoroughly with water. OBTAIN MEDICAL ATTENTION URGENTLY.

Personal protection for first Wear protective gloves / eye protection.

aiders

4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed.

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

Extinguishing Media Water spray.
Unsuitable Media Not specified.

5.2 Special hazards arising from the substance or mixture

Hazards Presents no specific fire danger.

5.3 Advice for firefighters

Advice for firefighters Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear

protective clothing and breathing apparatus.

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection Wear goggles, respirator, rubber boots and heavy rubber gloves.

6.2 Environmental precautions

Environmental Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local

Environmental Health Officer if major spillage occurs.

6.3 Methods and material for containment and cleaning up

Major Spillage Cover area of spill with lime. Allow time for the hydrolysis to take place. Transfer to a suitable container.

Ventilate area and wash spill site after material pickup is complete.

Minor Spillage Cover area of spill with lime. Allow time for the hydrolysis to take place. Transfer to a suitable container.

Ventilate area and wash spill site after material pickup is complete.

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.

7.2 Conditions for safe storage, including any incompatibilities

Refrigerate. Keep containers closed when not in use.

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

Component	CAS No	Concentration	Workplace Exposure Limits				
			Long Term (8hr TWA)		Short Term 15min period)		
Di(dodecanoyl) peroxide	105-74-8	>97%	-	-	-	-	

Exposure data source(s) No occupational exposure data currently available.

8.2 Exposure controls

Hand Protection Wear gloves.

Eye Protection Use tightly fitting chemical splash proof glasses or goggles.

Skin Protection Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

Special Hazards No special precautions required.

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance White crystalline lumps (ovoids).

Odour No specific odour.
pH Not applicable
Boiling Point Not available
Melting Point 56 °C
Flash Point Not applicable

Flash Point Not applicable
Upper Flammable Limit Not applicable
Lower Flammable Limit Not applicable
Auto Ignition Not applicable

Explosive Properties No.

Oxidising Properties A strong oxidising agent.

Vapour Pressure Not applicable Relative Density 1.0400

Water Solubility Practically insoluble in water.

9.2 Other information

No data available.

Section 10. Stability & Reactivity

10.1 Reactivity

No data available.

10.2 Chemical Stability Stable under normal conditions

10.3 Possibility of hazardous No data available.

reactions

10.4 Conditions to Avoid Hot surfaces, naked flames or other sources of ignition.10.5 Incompatable Materials Oxidisable materials. Alkalis. Finely powdered metals.

10.6 Hazardous Decomposition In combustion emits toxic fumes.

Products

Section 11. Toxicological Information

11.1 Information on toxicological effects

Eyes Contact with the solid or dust will be irritating to the eyes.

Skin The solid or dust will be harmful if absorbed through the skin. Contact with the solid or dust will be irritating to

the skin.

LD50 Skin >2000 mg/Kg Rat

Ingestion May be harmful by ingestion.

LD50 Oral >2000 mg/Kg Rat

Inhalation Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract.

LD50 Inhalation 200 mg/L Rat
TCLo Not available

Carcinogenicity Not considered to be a carcinogen.

Mutagenicity Not considered to be a mutagen.

Reproductive Effects None identified.

Section 12. Ecological

12.1 Toxicity Not specified.

LC50 Algal >1 mg/L Algae (72 hours)

LC50 Crustacea 1000 mg/L Daphnia magna (48 hours)

LC50 Fish >0.3 mg/L Guppy (Poecillia reticulate) (96 hours)

12.2 Persistence and No data available.

degradability

12.3 Bioaccumulative potential No data available.

12.4 Mobility in soil No data available.

12.5 Results of PBT & vPvB Assessment not required.

assessment

12.6 Other adverse effects None known at present.

Section 13. Disposal Considerations

13.1 Waste treatment methods

Disposal Methods Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and

national regulations.

Contaminated Packaging Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and

national regulations.

Section 14. Transport Information

14.1 UN Number 3106

14.2 Proper Shipping Name Organic peroxide type d, solid (dilauroyl

peroxide)

14.3 Transport classes

UN classification 5.2 Subsidiary hazard(s) None Transport category 2 ADR Hazard ID

Tunnel Restriction Code D **14.4 Packing Group** 0

14.5 Environment hazards See section 12.

14.6 Special precautions for No special precautions required.

user

14.7 Transport in bulk Not transported in bulk.

Section 15. Regulatory Information

 $15.1\ Safety, health\ and\ environment\ regulations\ specific\ for\ subtance/mixture.$

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Organic peroxide, type D

Signal word Danger

Hazard Pictograms



Hazard Statements H242

Heating may cause a fire.

Precautionary Statements P210, P220, P234, P280, P378, P403+P235

Keep away from heat / sparks/open flames/hot surfaces - No smoking. Keep / Store away from clothing / combustible materials. Keep only in original container. Wear protective gloves / protective clothing / eye protection. Use dry powder for extinction. Store in a well ventilated place. Keep cool.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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