

316307 Pk4 Lyreco Budget Highlighters Asstd Col

Lyreco Group (Lyreco France)

Chemwatch: 4854-52

Version No: 2.1.1.1

Safety Data Sheet (Conforms to Regulations (EC) No 453/2010)

Print Date: 20/11/2013

Issue Date: 04/06/2013

S.REACH.GBR.EN

SECTION 1 Identification of the substance / mixture and of the company / undertaking

1.1. Product Identifier

Product name: 316307 Pk4 Lyreco Budget Highlighters Asstd Col
Chemical Name: Not Applicable
Synonyms: Product Code: 316307
Proper shipping name: Not Applicable
Chemical formula: Not Applicable
Other means of identification: Not Available
CAS number: Not Applicable
EC number: Not Applicable
Index number: Not Applicable
REACH registration number: Not Applicable

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Highlighter pen., NOTE: Information on this SDS refers to ink used in pens and markers, however, it applies to these inks in bulk.
Uses advised against: Not Applicable

1.3. Details of the supplier of the safety data sheet

Registered company name: Lyreco Group (Lyreco France)
Address: Rue du 19 Mars 1962 Marly 97770 France
Telephone: +33 3 27 23 64 00 (9a.m-5p.m. CET.)
Fax: Not Available
Website: Not Available
Email: Not Available

1.4. Emergency telephone number

Association / Organisation: Not Available
Emergency telephone numbers: +33 3 27 23 64 00 (9a.m-5p.m. CET.)
Other emergency telephone numbers: +33 3 27 23 64 00 (9a.m-5p.m. CET.)

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

Not considered a dangerous mixture according to directive 1999/45/EC, Reg.

ChemWatch Hazard Ratings

	0	1	2	3	4
Flammability	0				
Toxicity	0				
Body Contact	2				
Reactivity	0				
Chronic	2				

0 = Minimum
1 = Low
2 = Moderate
3 = High
4 = Extreme

DSD classification:

In case of mixtures, classification has been prepared by following DPD (Directive 1999/45/EC) and CLP Regulation (EC) No 1272/2008 regulations

Not Applicable

Classification according to regulation (EC) No 1272/2008 [CLP]:

Legend: 1. Classified by Chemwatch; 2. Classification drawn from EC Directive 67/548/EEC - Annex I; 3. Classification drawn from EC Directive 1272/2008 - Annex VI

2.2. Label elements

CLP label elements

Not Applicable

Signal word: NOT APPLICABLE

Hazard statement(s):

Not Applicable

Supplementary statement(s):

Not Applicable

Precautionary statement(s): Prevention

Not Applicable

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

Precautionary statement(s): Response

Not Applicable

Precautionary statement(s): Storage

Not Applicable

Precautionary statement(s): Disposal

Not Applicable

DSD / DPD label elements

Not Applicable

Relevant risk statements are found in section 2.1

Indication(s) of danger: Not Applicable

Safety advice:

S02 Keep out of reach of children.

2.3. Other hazards

May produce discomfort of the eyes, respiratory tract and skin*.

Cumulative effects may result following exposure*.

SECTION 3 Composition / information on ingredients

3.1. Substances

See 'Composition on ingredients' in Section 3.2

3.2. Mixtures

1. CAS No 2. EC No 3. Index No 4. REACH No	%[weight]	Name	Classification according to directive 67/548/EEC [DSD]	Classification according to regulation (EC) No 1272/2008 [CLP]
		ink containing		
1. Not Available 2. Not Available 3. Not Available 4. Not Available	100	ingredients determined to be non-hazardous	Not Applicable	Not Applicable

Legend: 1. Classified by Chemwatch; 2. Classification drawn from EC Directive 67/548/EEC - Annex I; 3. Classification drawn from EC Directive 1272/2008 - Annex VI

SECTION 4 First aid measures

4.1. Description of first aid measures

General:

- If fumes, aerosols or combustion products are inhaled remove from contaminated area.
- Other measures are usually unnecessary.
- Immediately give a glass of water.
- First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

If this product comes in contact with eyes:

- Wash out immediately with water.
- If irritation continues, seek medical attention.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Treat symptomatically. If skin contact occurs:

- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

Eye Contact:

If this product comes in contact with eyes:

- Wash out immediately with water.
- If irritation continues, seek medical attention.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin Contact:

If skin contact occurs:

- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

Inhalation:

- If fumes, aerosols or combustion products are inhaled remove from contaminated area.
- Other measures are usually unnecessary.

Ingestion:

- Immediately give a glass of water.
- First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11

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

Treat symptomatically.

SECTION 5 Firefighting measures

5.1. Extinguishing media

The product contains a substantial proportion of water, therefore there are no restrictions on the type of extinguishing media which may be used.

5.2. Special hazards arising from the substrate or mixture

Fire Incompatibility:

None known.

5.3. Advice for firefighters

Fire Fighting:

- Alert Fire Brigade and tell them location and nature of hazard.

Fire/Explosion Hazard:

- The material is not readily combustible under normal conditions.

SECTION 6 Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

See section 8

6.2. Environmental precautions

See section 12

6.3. Methods and material for containment and cleaning up**Minor Spills:**

- Clean up all spills immediately.

Major Spills:

Moderate hazard.

6.4. Reference to other sections

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

SECTION 7 Handling and storage**7.1. Precautions for safe handling****Safe handling**

- Limit all unnecessary personal contact.

Fire and explosion protection

See section 5

Other information

- Store in original containers.

7.2. Conditions for safe storage, including any incompatibilities**Suitable container:**

- Polyethylene or polypropylene container.

Storage incompatibility:

None known

Package Material Incompatibilities:**7.3. Specific end use(s)**

See section 1.2

SECTION 8 Exposure controls / personal protection**8.1. Control parameters****Derived No Effect Level (DNEL)**

Exposure Pattern	Workers	General Population
Long term - dermal, systemic effects	Not Available	Not Available
Long term - inhalation, systemic effects	Not Available	Not Available
Long term - oral, systemic effects	Not Available	Not Available
Long term - dermal, local effects	Not Available	Not Available
Long term - inhalation, local effects	Not Available	Not Available
Short term - dermal, systemic effects	Not Available	Not Available
Short term - inhalation, systemic effects	Not Available	Not Available
Short term - oral, systemic effects	Not Available	Not Available
Short term - dermal, local effects	Not Available	Not Available
Short term - inhalation, local effects	Not Available	Not Available

Predicted No Effect Level (PNEC)

Compartment	Value
Fresh Water	Not Applicable
Marine Water	Not Applicable
Aqua	Not Applicable
Fresh water sediment	Not Applicable
Marine water sediment	Not Applicable
Soil	Not Applicable
STP	Not Applicable
ORAL	Not Applicable

Occupational Exposure Limits (OEL)**INGREDIENT DATA**

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Emergency Limits

Ingredient	TEEL-0	TEEL-1	TEEL-2	TEEL-3
------------	--------	--------	--------	--------

Ingredient	Original IDLH	Revised IDLH
316307 Pk4 Lyreco Budget Highlighters Asstd Col	Not Available	Not Available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard.

8.2.2. Personal protection



Eye and face protection:

- Safety glasses with side shields.

Skin protection:

See Hand protection below

Hand protection:

- Wear chemical protective gloves, e.g. PVC.

Body protection:

See Other protection below

Other protection:

No special equipment needed when handling small quantities.

Thermal hazards:

Recommended material(s):

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:
316307 Pk4 Lyreco Budget Highlighters Asstd Col

Material	CPI
BUTYL	A
NEOPRENE	A
VITON	A

* CPI - Chemwatch Performance Index

Respiratory protection:

8.2.3. Environmental exposure controls

See section 12

SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Coloured liquid with a very slight odour; mixes with water.

Physical state	Liquid	Relative density (Water = 1)	1.05-1.07
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Applicable
pH (as supplied)	7-10.8	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	100	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Applicable	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	2.3 @ 20C	Gas group	Not Available
Solubility in water (g/L)	Miscible	pH as a solution(1%)	Not Available
Vapour density (Air = 1)	Not Available		

9.2. Other information

Not Available

SECTION 10 Stability and reactivity

10.1. Reactivity:

See section 7.2

10.2. Chemical stability:

Product is considered stable and hazardous polymerisation will not occur.

10.3. Possibility of hazardous reactions:

See section 7.2

10.4. Conditions to avoid:

See section 7.2

10.5. Incompatible materials:

See section 7.2

10.6. Hazardous decomposition products:

See section 5.3

SECTION 11 Toxicological information**11.1. Information on toxicological effects****Inhaled:**

Not normally a hazard due to non-volatile nature of product

Ingestion:

The material has

Skin Contact:

The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic).

Eye:

Limited evidence exists, or practical experience suggests, that the material may cause eye irritation in a substantial number of individuals and/or is expected to produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals.

Chronic:

Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems.

TOXICITY	IRRITATION
316307 Pk4 Lyreco Budget Highlighters Asstd Col	
Not Available	Not Available

* Value obtained from manufacturer's msds

316307 Pk4 Lyreco Budget Highlighters Asstd Col			
No significant acute toxicological data identified in literature search.			

Acute Toxicity:	Not Applicable	Carcinogenicity:	Not Applicable
Skin Irritation/Corrosion:	Not Applicable	Reproductivity:	Not Applicable
Serious Eye Damage/Irritation:	Not Applicable	STOT - Single Exposure:	Not Applicable
Respiratory or Skin sensitisation:	Not Applicable	STOT - Repeated Exposure:	Not Applicable
Mutagenicity:	Not Applicable	Aspiration Hazard:	Not Applicable

CMR STATUS**SECTION 12 Ecological information****12.1. Toxicity****DO NOT****12.2. Persistence and degradability**

Ingredient	Persistence: Water/Soil	Persistence: Air
Not Available	Not Available	Not Available

12.3. Bioaccumulative potential

Ingredient	Bioaccumulation
Not Available	Not Available

12.4. Mobility in soil

Ingredient	Mobility
Not Available	Not Available

12.5. Results of PBT and vPvB assessment

	P	B	T
Relevant available data	Not Available	Not Available	Not Available
PBT and vPvB Criteria fulfilled?	Not Available	Not Available	Not Available

12.6. Other adverse effects

No data available

SECTION 13 Disposal considerations**13.1. Waste treatment methods****Product / Packaging disposal:**

- Recycle wherever possible or consult manufacturer for recycling options.

Waste treatment options:**Sewage disposal options:**

No relevant data

SECTION 14 Transport information**Labels Required:****Marine Pollutant: NO****HAZCHEM:****Land transport (ADR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS**

14.1. UN number	Not Available	14.4. Packing group	Not Available
14.2. UN proper shipping name	Not Applicable	14.5. Environmental hazard	No relevant data

14.3. Transport hazard class(es)	Class: Subrisk:	14.6. Special precautions for user	Hazard identification (Kemler) Classification code Hazard Label Special provisions limited quantity
----------------------------------	--------------------	------------------------------------	---

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Available	14.4. Packing group	Not Available
14.2. UN proper shipping name		14.5. Environmental hazard	No relevant data
14.3. Transport hazard class(es)	ICAO/IATA Class: ICAO / IATA Subrisk: ERG Code:	14.6. Special precautions for user	Special provisions: Cargo Only Packing Instructions: Cargo Only Maximum Qty / Pack: Passenger and Cargo Packing Instructions: Passenger and Cargo Maximum Qty / Pack: Passenger and Cargo Limited Quantity Packing Instructions: Passenger and Cargo Maximum Qty / Pack:

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Available	14.4. Packing group	Not Available
14.2. UN proper shipping name		14.5. Environmental hazard	No relevant data
14.3. Transport hazard class(es)	IMDG Class: IMDG Subrisk:	14.6. Special precautions for user	EMS Number: Special provisions: Limited Quantities:

Inland waterways transport (ADN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Available	14.4. Packing group	Not Available
14.2. UN proper shipping name		14.5. Environmental hazard	No relevant data
14.3. Transport hazard class(es)	:	14.6. Special precautions for user	Classification code Limited quantity Equipment required Fire cones number

Transport in bulk according to Annex II of MARPOL 73 / 78 and the IBC code

Not Applicable

SECTION 15 Regulatory information

15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : 67/548/EEC, 1999/45/EC, 98/24/EC, 92/85/EC, 94/33/EC, 91/689/EEC, 1999/13/EC, Regulation (EU) No 453/2010, Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and their amendments as well as the following British legislation: - The Control of Substances Hazardous to Health Regulations (COSHH) 2002 - COSHH Essentials - The Management of Health and Safety at Work Regulations 1999

15.2. Chemical safety assessment

For further information please look at the Chemical Safety Assessment and Exposure Scenarios prepared by your Supply Chain if available.

ECHA SUMMARY

SECTION 16 Other information

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

This document is copyright. Apart from any fair dealing for the purposes of private study, research, review or criticism, as permitted under the Copyright Act, no part may be reproduced by any process without written permission from CHEMWATCH. TEL (+61 3) 9572 4700.