

3336875 Lyreco Ball Point Refill Medium Blk

Lyreco Group (Lyreco France)

Chemwatch: 4854-46
 Version No: 3.1.1.1
 Safety Data Sheet (Conforms to Regulations (EC) No 453/2010)

Print Date: 20/11/2013
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 S.REACH.GBR.EN

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

1.1. Product Identifier

Product name:	3336875 Lyreco Ball Point Refill Medium Blk
Chemical Name:	Not Applicable
Synonyms:	Product Code: 3336875
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains C.I. Solvent Orange 3, base)
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:	Ball point pen.
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 91770 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

Considered a dangerous mixture according to Directive 1999/45/EC, Reg.

ChemWatch Hazard Ratings

	Rating	Min/Max	Legend
Flammability	1	0-4	0 = Minimum
Toxicity	2	1-4	1 = Low
Body Contact	2	1-4	2 = Moderate
Reactivity	2	1-4	3 = High
Chronic	2	1-4	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

DPD classification^[1]:

R36/38	Irritating to eyes and skin.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R22	Harmful if swallowed.
R68(3)	Possible risk of irreversible effects.

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

Classification according to regulation (EC) No 1272/2008 [CLP]^[1]:

Germ Cell Mutagen Category 2, Eye Irritation Category 2, Chronic Aquatic Hazard Category 2, Skin Corrosion/Irritation Category 2, Acute Toxicity (Oral) Category 4

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



Signal word: **WARNING**

Hazard statement(s):

H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H341	Suspected of causing genetic defects
H411	Toxic to aquatic life with long lasting effects

Supplementary statement(s):

Not Applicable

Precautionary statement(s): Prevention

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.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P264	Wash all exposed external body areas thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement(s): Response

P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/physician/first aider/if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water and soap
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see advice on this label).
P330	Rinse mouth.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.

Precautionary statement(s): Storage

P405	Store locked up.
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Precautionary statement(s): Disposal

P501	Dispose of contents/container to authorised chemical landfill or if organic to high temperature incineration
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DSD / DPD label elements



Relevant risk statements are found in section 2.1

Indication(s) of danger:	Xn, N
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Safety advice:

S02	Keep out of reach of children.
S13	Keep away from food, drink and animal feeding stuffs.
S23	Do not breathe gas/fumes/vapour/spray.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse with plenty of water and contact Doctor or Poisons Information Centre.
S29	Do not empty into drains.
S35	This material and its container must be disposed of in a safe way.
S36	Wear suitable protective clothing.
S37	Wear suitable gloves.
S39	Wear eye/face protection.
S40	To clean the floor and all objects contaminated by this material, use water and detergent.
S46	If swallowed, seek medical advice immediately and show this container or label.
S56	Dispose of this material and its container at hazardous or special waste collection point.
S57	Use appropriate container to avoid environmental contamination.
S61	Avoid release to the environment.
S64	If swallowed, rinse mouth with water (only if the person is conscious).

2.3. Other hazards

Skin contact may produce health damage*.
Cumulative effects may result following exposure*.
May possibly affect fertility*.
Possible skin sensitizer*.
Limited evidence of a carcinogenic effect*.

SECTION 3 Composition / information on ingredients

3.1. Substances

See 'Composition on ingredients' in Section 3.2

3.2. Mixtures

1. CAS No	%[weight]	Name	Classification according to directive 67/548/EEC	Classification according to regulation (EC) No
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2. EC No 3. Index No 4. REACH No			[DSD]	1272/2008 [CLP]
		ink containing,		
1. 122-99-6 2. 204-589-7 3. 603-098-00-9 4. 01-2119488943-21-XXXX	25-50	ethylene glycol phenyl ether	R22, R36 ^[2]	Acute Tox. , Eye Irrit. ; H302, H319 ^[3]
1. 90506-69-7 2. 291-933-4 3. Not Available 4. Not Available	2.5-10	phosphoric acid, mono- and bis(2-ethylhexyl) esters	R34, R41 ^[1]	Skin Corrosion/Irritation Category 1B, Metal Corrosion Category 1, Serious Eye Damage Category 1; H314, H290, H318 ^[1]
1. 495-54-5 2. 207-803-7 3. 611-151-00-2 4. Not Available	2.5-10	C.I. Solvent Orange 3, base	R22, R38, R68, R50/53 ^[2]	Muta. , Acute Tox. , Skin Irrit. , Aquatic Acute 1, Aquatic Chronic 1; H341, H302, H315, H400, H410 ^[3]
1. Not Available 2. Not Available 3. Not Available 4. Not Available	2.5-30	ingredients, 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.
- **If swallowed do NOT induce vomiting.**
- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
- Observe the patient carefully.
- Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.
- Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.
- Seek medical advice.

If this product comes in contact with the eyes:

- Wash out immediately with fresh running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
- Seek medical attention without delay; if pain persists or recurs seek medical attention.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Treat symptomatically. The material may induce methaemoglobinaemia following exposure.

- Initial attention should be directed at oxygen delivery and assisted ventilation if necessary. Hyperbaric oxygen has not demonstrated substantial benefits.
- Hypotension should respond to Trendelenburg's position and intravenous fluids; otherwise dopamine may be needed.
- Symptomatic patients with methaemoglobin levels over 30% should receive methylene blue. (Cyanosis, alone, is not an indication for treatment). The usual dose is 1-2 mg/kg of a 1% solution (10 mg/ml) IV over 50 minutes; repeat, using the same dose, if symptoms of hypoxia fail to subside within 1 hour.
- Thorough cleansing of the entire contaminated area of the body, including the scalp and nails, is of utmost importance.

BIOLOGICAL EXPOSURE INDEX - BEI These represent the determinants observed in specimens collected from a healthy worker exposed at the Exposure Standard (ES or TLV):

Determinant	Index	Sampling Time	Comment
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1. Methaemoglobin in blood 1.5% of haemoglobin During or end of shift B, NS, SQ

B: Background levels occur in specimens collected from subjects **NOT** exposed

NS: Non-specific determinant; also observed after exposure to other materials

SQ: Semi-quantitative determinant - Interpretation may be ambiguous; should be used as a screening test or confirmatory test.

Clinical experience of benzyl alcohol poisoning is generally confined to premature neonates in receipt of preserved intravenous salines.

- Metabolic acidosis, bradycardia, skin breakdown, hypotonia, hepatorenal failure, hypotension and cardiovascular collapse are characteristic.
- High urine benzoate and hippuric acid as well as elevated serum benzoic acid levels are found.
- The so-called "gaspings syndrome" describes the progressive neurological deterioration of poisoned neonates.
- Management is essentially supportive.

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 the eyes:

- Wash out immediately with fresh running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
- Seek medical attention without delay; if pain persists or recurs 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:

- **If swallowed do NOT induce vomiting.**
- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
- Observe the patient carefully.
- Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.
- Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.
- Seek medical advice.

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.

The material may induce methaemoglobinaemia following exposure.

- Initial attention should be directed at oxygen delivery and assisted ventilation if necessary. Hyperbaric oxygen has not demonstrated substantial benefits.
- Hypotension should respond to Trendelenburg's position and intravenous fluids; otherwise dopamine may be needed.
- Symptomatic patients with methaemoglobin levels over 30% should receive methylene blue. (Cyanosis, alone, is not an indication for treatment). The usual dose is 1-2 mg/kg of a 1% solution (10 mg/ml) IV over 50 minutes; repeat, using the same dose, if symptoms of hypoxia fail to subside within 1 hour.
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- The so-called "gaspings syndrome" describes the progressive neurological deterioration of poisoned neonates.
- Management is essentially supportive.

SECTION 5 Firefighting measures

5.1. Extinguishing media

- Foam.

5.2. Special hazards arising from the substrate or mixture

Fire Incompatibility:

- Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

5.3. Advice for firefighters

Fire Fighting:

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

Fire/Explosion Hazard:

- Combustible.

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:

- Remove all ignition sources.

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

- **DO NOT**

Fire and explosion protection

See section 5

Other information

- Store in original containers.

7.2. Conditions for safe storage, including any incompatibilities

Suitable container:

- Lined metal can, lined metal pail/ can.

Storage incompatibility:

- Avoid oxidising agents, acids, acid chlorides, acid anhydrides, chloroformates.

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
ethylene glycol phenyl ether	20(ppm)	20(ppm)	20(ppm)	100(ppm)

Ingredient	Original IDLH	Revised IDLH
3336875 Lyreco Ball Point Refill Medium Blk	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:

- Overalls.

Thermal hazards:

Recommended material(s):

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the: 3336875 Lyreco Ball Point Refill Medium Blk

Material	CPI
BUTYL	A
VITON	A

* CPI - Chemwatch Performance Index

Respiratory protection:

Type AB-P Filter of sufficient capacity.

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required.

Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	AB-AUS P2	-	AB-PAPR-AUS / Class 1 P2
up to 50 x ES	-	AB-AUS / Class 1 P2	-
up to 100 x ES	-	AB-2 P2	AB-PAPR-2 P2 ^

^ - Full-face

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

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

Black liquid with a characteristic odour; does not mix with water.

Physical state	Liquid	Relative density (Water = 1)	Not Available
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	371 (Ignition Temp.)
pH (as supplied)	5.3	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	18500
Initial boiling point and boiling range (°C)	185	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	101	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	9.0	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	1.4	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water (g/L)	Immiscible	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:

- Presence of incompatible materials.

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:

The material is not thought to produce either adverse health effects or irritation of the respiratory tract following inhalation (as classified by EC Directives using animal models).

Ingestion:

Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual.

Skin Contact:

Skin contact with the material may damage the health of the individual; systemic effects may result following absorption.

Eye:

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

Chronic:

Strong evidence exists that the substance may cause irreversible but non-lethal mutagenic effects following a single exposure.

TOXICITY	IRRITATION
3336875 Lyreco Ball Point Refill Medium Blk	
Not Available	Not Available
ethylene glycol phenyl ether	
Dermal (rabbit) LD50: 5000 mg/kg	Eye (rabbit): 250 ug/24h - SEVERE
Dermal (rat) LD50: 14422 mg/kg	Eye (rabbit): 6 mg - moderate
Oral (rat) LD50: 1260 mg/kg	Skin (rabbit): 500 mg/24h - mild
Not Available	Not Available
phosphoric acid, mono- and bis(2-ethylhexyl) esters	
Not Available	Not Available
C.I. Solvent Orange 3, base	
Oral (rat) LD50: 1650 mg/kg	Eye (rabbit) LD50: 20 mg/24h-mod
Not Available	Not Available

* Value obtained from manufacturer's msds

3336875 Lyreco Ball Point Refill Medium Blk

No significant acute toxicological data identified in literature search.

ETHYLENE GLYCOL PHENYL ETHER

The material may produce severe irritation to the eye causing pronounced inflammation.

PHOSPHORIC ACID, MONO- AND BIS(2-ETHYLHEXYL) ESTERS

for acid mists, aerosols, vapours

C.I. SOLVENT ORANGE 3, BASE

The following information refers to contact allergens as a group and may not be specific to this product.

A report of bladder cancer in three amateur anglers with exposure to chrysoidine-dyed maggots stimulated reports of four further cases and two case-control studies A study in Yorkshire, UK, used an existing large-scale bladder cancer case-control study (over 900 pairs) and made further enquiries regarding fishing, maggots and dyes used on or in the maggots.

Acute Toxicity:	Acute Toxicity (Oral) Category 4	Carcinogenicity:	Not Applicable
Skin Irritation/Corrosion:	Skin Corrosion/Irritation Category 2	Reproductivity:	Not Applicable

Serious Eye Damage/Irritation:	Eye Irrit.	STOT - Single Exposure:	Not Applicable
Respiratory or Skin sensitisation:	Not Applicable	STOT - Repeated Exposure:	Not Applicable
Mutagenicity:	Germ Cell Mutagen Category 2	Aspiration Hazard:	Not Applicable

CMR STATUS

MUTAGEN		
C.I. Solvent Orange 3, base	European Union (EU) Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances (updated by ATP: 31) - Mutagenic Substances	Muta.

SECTION 12 Ecological information

12.1. Toxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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



HAZCHEM: •3Z

Land transport (ADR)

14.1. UN number	3082	14.4. Packing group	III
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains C.I. Solvent Orange 3, base)	14.5. Environmental hazard	No relevant data
14.3. Transport hazard class(es)	Class: 9 Subrisk:	14.6. Special precautions for user	Hazard identification (Kemler) 90 Classification code M6 Hazard Label 9 Special provisions 274 335 601 limited quantity 5 L

Air transport (ICAO-IATA / DGR)

14.1. UN number	3082	14.4. Packing group	III
14.2. UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (contains C.I. Solvent Orange 3, base)	14.5. Environmental hazard	No relevant data

14.3. Transport hazard class(es)	ICAO/IATA Class: 9	14.6. Special precautions for user	Special provisions: A97A158
	ICAO / IATA Subrisk:		Cargo Only Packing Instructions: 964
	ERG Code: 9L		Cargo Only Maximum Qty / Pack: 450 L
			Passenger and Cargo Packing Instructions: 964
			Passenger and Cargo Maximum Qty / Pack: 450 L
			Passenger and Cargo Limited Quantity Packing Instructions: Y964
			Passenger and Cargo Maximum Qty / Pack: 30 kg G

Sea transport (IMDG-Code / GGVSee)

14.1. UN number	3082	14.4. Packing group	III
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains C.I. Solvent Orange 3, base)	14.5. Environmental hazard	No relevant data
14.3. Transport hazard class(es)	IMDG Class: 9	14.6. Special precautions for user	EMS Number: F-A,S-F
	IMDG Subrisk:		Special provisions: 274 335
			Limited Quantities: 5 L

Inland waterways transport (ADN)

14.1. UN number	3082	14.4. Packing group	III
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains C.I. Solvent Orange 3, base)	14.5. Environmental hazard	No relevant data
14.3. Transport hazard class(es)	9:	14.6. Special precautions for user	Classification code: M6
			Limited quantity: 5 L
			Equipment required: PP
			Fire cones number: 0

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

ethylene glycol phenyl ether(122-99-6) is found on the following regulatory lists

"GESAMP/EHS Composite List - GESAMP Hazard Profiles", "IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk", "FisherTransport Information", "Sigma-AldrichTransport Information", "IOFI Global Reference List of Chemically Defined Substances", "International Fragrance Association (IFRA) Survey: Transparency List", "FEMA Generally Recognized as Safe (GRAS) Flavoring Substances 24 - Primary Names and Synonyms", "OECD List of High Production Volume (HPV) Chemicals", "International Council of Chemical Associations (ICCA) - High Production Volume List", "IMO IBC Code Chapter 17: Summary of minimum requirements", "Europe ECHA Registered Substances - Classification and Labelling - DSD-DPD", "European Union (EU) Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances - updated by ATP: 31", "Europe SCCNFP First Update of the Inventory of Ingredients Employed in Cosmetic Products - Section II: Perfume and Aromatic Raw Materials", "EU Cosmetic Directive 76/768/EEC Annex VI Part 1 List of Preservatives Allowed (English)", "European Union (EU) Inventory of Fragrance Ingredients (Perfume and Aromatic Raw Materials)", "EU Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products - Annex V List of Preservatives Allowed in Cosmetic Products", "European Chemical Agency (ECHA) Classification & Labelling Inventory - Notified classification and labelling according to CLP criteria", "European Union (EU) Inventory of Ingredients used in Cosmetic Products", "European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures - Annex VI", "EU Cosmetic Directive 76/768/EEC Annex VI Part 1 List of Preservatives Allowed (German)", "European Chemical Agency (ECHA) Classification & Labelling Inventory - Chemwatch Harmonised classification", "Europe European Chemicals Agency (ECHA) REACH Registration Numbers", "Europe European Chemicals Agency (ECHA) List of substances identified for registration in 2010", "Europe European Chemicals Agency (ECHA) List of Registered Phase-in Substances", "Europe European Chemicals Agency (ECHA) List of Registered Substances", "Europe ECHA Registered Substances - Classification and Labelling - GHS", "International Agency for Research on Cancer (IARC) - Agents Reviewed by the IARC Monographs"

phosphoric acid, mono- and bis(2-ethylhexyl) esters(90506-69-7) is found on the following regulatory lists

"European Chemical Agency (ECHA) Classification & Labelling Inventory - Notified classification and labelling according to CLP criteria", "European Chemical Agency (ECHA) Classification & Labelling Inventory - Chemwatch Harmonised classification", "Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (English)", "International Air Transport Association (IATA) Dangerous Goods Regulations", "International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index", "International Maritime Dangerous Goods Requirements (IMDG Code)", "UK Dangerous Goods Emergency Action Code List 2013", "ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways"

C.I. Solvent Orange 3, base(495-54-5) is found on the following regulatory lists

"Sigma-AldrichTransport Information", "European Union (EU) Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances - updated by ATP: 31", "European Union (EU) Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances (updated by ATP: 31) - Mutagenic Substances", "European Chemical Agency (ECHA) Classification & Labelling Inventory - Notified classification and labelling according to CLP criteria", "European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures - Annex VI", "European Chemical Agency (ECHA) Classification & Labelling Inventory - Chemwatch Harmonised classification", "Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (English)", "International Air Transport Association (IATA) Dangerous Goods Regulations", "International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index", "International Maritime Dangerous Goods Requirements (IMDG Code)", "UK Dangerous Goods Emergency Action Code List 2013", "ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways", "European Union (EU) Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances (updated by ATP: 31) - Carcinogenic Substances", "Europe Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food - Annex I: Substances", "Europe Substances Listed in EU Directives on Plastics in Contact with Food", "UK The Environmental Protection (Prescribed Processes and Substances) Regulations 1991 - Release into Air Prescribed Substances", "European Union (EU) Directive 2008/1/EC concerning integrated pollution prevention and control, Annex III"

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

Ingredient	CAS number	Index No	ECHA Dossier
ethylene glycol phenyl ether	122-99-6	603-098-00-9	01-2119488943-21-XXXX
Harmonisation (C&L Inventory)	Hazard Class and Category Code(s)	Pictograms Signal Word Code(s)	Hazard Statement Code(s)
2	Acute Tox. 4, Eye Irrit. 2, Not Classified, Eye Irrit. 2A, Muta. 2, Carc. 2, Skin Irrit. 2, STOT SE 3, Flam. Liq. 3	GHS07, Wng, Dgr, GHS09	H302, H319, H315, H335

1	Acute Tox. 4, Eye Irrit. 2	GHS07, Wng	H302, H319
Ingredient	CAS number	Index No	ECHA Dossier
phosphoric acid, mono- and bis(2-ethylhexyl) esters	90506-69-7	Not Available	Not Available
Harmonisation (C&L Inventory)	Hazard Class and Category Code(s)	Pictograms Signal Word Code(s)	Hazard Statement Code(s)
2	Skin Corr. 1B, Acute Tox. 4, Skin Corr. 1C	GHS05, Dgr	H314, H302
1	Skin Corr. 1B	GHS05, Dgr	H314
Ingredient	CAS number	Index No	ECHA Dossier
C.I. Solvent Orange 3, base	495-54-5	611-151-00-2	Not Available
Harmonisation (C&L Inventory)	Hazard Class and Category Code(s)	Pictograms Signal Word Code(s)	Hazard Statement Code(s)
1	Acute Tox. 4, Skin Irrit. 2, Muta. 2, Aquatic Acute 1, Aquatic Chronic 1	GHS09, GHS08, Wng	H302, H315, H341, H410
2	Acute Tox. 4, Skin Irrit. 2, Muta. 2, Aquatic Acute 1, Aquatic Chronic 1, Not Classified	GHS09, GHS08, Wng	H302, H315, H341, H410, H400

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:

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