



MATERIAL SAFETY DATASHEET

302539

LYRAL

15.10.2014

1. Identification of the substance/mixture and of the company

Product Name : LYRAL AOL Material Code : 302539
Use of substance/mixture :
Company : Augustus Oils Ltd
Augustus House
Mill Lane
Alton
Hampshire
GU34 2QG UK
email address : essentials@augustus-oils.ltd.uk
telephone : +44 1420 590555
emergency telephone : +44 1420 590555

2. Hazard identification

GHS Classification

Skin sensitization 1

GHS Labelling

Symbol :



Signal word : Warning
hazard statements : H317 May cause an allergic skin reaction
precaution statements : P280 Wear protective gloves/protective clothing/eye protection/face protection
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P272 Contaminated work clothing should not be allowed out of the workplace
P302+352 IF ON SKIN: Wash with soap and water
P363 Wash contaminated clothing before reuse
P333+313 If skin irritation or a rash occurs: Get medical advice/attention

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Classified as: IRRITANT
Symbol: Xi

R-phrases:
R43: May cause sensitisation by skin contact

S-phrases:
S24: Avoid contact with the skin
S37: Wear suitable gloves

3. Composition/information on ingredients

IUPAC name : 4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde

Characterisation	:	Aldehyde alcohols
Molecular formula	:	C13 H22 O2
Molecular weight	:	210.31
CAS no	:	31906-04-4
EINECS no	:	250-863-4
FEMA	:	

Substances within the mixture

This product contains:		EINECS	CAS
>95%	4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde Sen1	R 43: H 317	250-863-4 31906-04-4

For full text of R and H phrases see section 16

4. First aid measures

Inhalation	:	In case of excessive inhalation remove the person to fresh air and keep at rest in a comfortable position. Obtain medical advice immediately.
Skin contact	:	Avoid prolonged contact with skin - wash off with soap and water. If persistent irritation is observed seek medical advice.
Eye contact	:	Rinse the eyes immediately with plenty of water for at least ten minutes. If any sign of tissue damage or persistent irritation is apparent, obtain medical advice immediately.
Ingestion	:	Rinse mouth with water. Obtain medical advice immediately.

5. Fire-fighting measures

Extinguishing media	:	Carbon dioxide, foam, dry chemical Do not use a direct water jet.
Special hazards	:	CO/CO2, Smoke
Advice for firefighters	:	Avoid inhalation of smoke and fumes. In case of insufficient ventilation wear suitable respiratory equipment.

6. Accidental release measures

Personal precautions	:	Gloves and eye protection should be worn when handling spillages. Avoid skin/eye contact and inhalation of vapour. Good personal washing routines should be followed after accidental release. Ensure adequate ventilation in working areas following accidental release.
Environmental precautions:	:	Do not allow discharge into drains, soil or any aquatic environment.
Methods for cleaning up	:	Absorb spillages on porous inert material such as earth, sand or vermiculite and dispose of in accordance with local regulations. Large spillages should be contained by the use of sand or another inert material, transferred to a suitable container and recovered or disposed of in accordance with local regulations.

See also sections 8 and 13

7. Handling and storage

Precautions for safe handling:	Handle in accordance with good occupational hygiene and safety practices in a well ventilated area. Avoid direct contact with skin and eyes. Depending on working conditions, this may include wearing of eye protection and protective clothing such as PVC gloves and suitable overalls. Wash hands after use Remove protective equipment and contaminated clothing before entering eating areas Avoid breathing vapours especially if the material is hot.
Conditions for safe storage:	Store in full, dry, airtight containers away from sources of heat and light. Do not re-use the empty container.
Uses and applications :	Fragrances

8. Exposure controls/personal protection

Exposure parameters :	No specific exposure limits found
Respiratory Protection :	Where ventilation may be inadequate, wear self-contained breathing apparatus.
Hand protection :	Wear impervious gloves.
Skin protection :	Wear protective clothing.
Eye protection :	Wear eye protection e.g. Safety glasses/goggles
Engineering measures :	None found

9. Physical and chemical properties

Appearance	Colourless to pale yellow, viscous liquid
Odour	Sweet floral
Odour threshold	Data not available
pH	Data not available
Melting point	Data not available
Initial boiling point	Data not available
Boiling Range	Data not available
Flash point	105°C
Evaporation rate	Data not available
Flammability	Data not available
Upper flammable limit	Data not available
Lower flammable limit	Data not available
Upper explosive limit	Data not available
Lower explosive limit	Data not available
Vapour pressure	Data not available
Vapour Density	Data not available
Relative Density	0.992 @ 20 °C
Solubility	Data not available
Partition coefficient n-octanol/water	2.53
Autoignition temperature	Data not available
Decomposition temperature	Data not available
Viscosity	Data not available
Explosive properties	Data not available
Oxidising properties	Data not available

10. Stability and reactivity

Stability:	Stable at ambient temperatures
Incompatible Materials:	Avoid oxidising agents
Conditions to avoid:	None known
Hazardous Decomposition Products:	No data available

11. Toxicological information

Acute toxicity	LDSO Oral Rat > 5.000 mg/kg LD50 Dermal Rabbit > 5.000 mg/kg
Skin corrosion/irritation	Data not available
Respiratory or skin sensitization	May cause sensitisation by skin contact
Serious eye damage/irritation	Data not available
Germ cell mutagenicity	Data not available
Carcinogenicity	Data not available
Reproductive toxicity	Data not available
STOT single exposure	Data not available
STOT repeat exposure	Data not available
Aspiration hazard	Data not available

12. Ecological information

Toxicity data	Toxicity to fish: LC50(96 h,) = 11,8 mg/l Toxicity to algae EC50(72 h,) = 13,8 mg/l Toxicity to daphnia EC50(48 h,) = 76 mg/l
Persistence and degradability data	Not readily biodegradable. (41,2 %)
Bioaccumulative potential	Data not available

13. Disposal considerations

No special methods are necessary, but disposal should be in accordance with local regulations.

14. Transport information

Not restricted for transport purposes

15. Regulatory information

This datasheet has been compiled in accordance with 'COMMISSION REGULATION (EU) No 453/2010, Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)'

16. Other information

Changes since the last update

All sections changed due to CLP regulation

Section 3 R and H phrases in full

R 43 May cause sensitization by skin contact

H 317 May cause an allergic skin reaction

Sen1 Skin sensitization1

The information in this Health and Safety Data Sheet is, to the best of our knowledge, information and belief, correct and consistent with the state of technical information available at the date of its publication. Augustus Oils Ltd. cannot however accept liability for any loss, injury and/or damage that results from use or misuse of the information herein.