



## MATERIAL SAFETY DATASHEET

301487

TRIPLAL

06.08.2014

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

Product Name : TRIPLAL AOL Material Code : 301487  
Use of substance/mixture :  
Company : Augustus Oils Ltd  
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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

Eye Irritation 2  
Skin Irritation 2  
Skin Sensitization 1  
Aquatic chronic 3

#### GHS Labelling

Symbol :



Signal word : Warning

hazard statements : H315 Causes skin irritation  
H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation  
H412 Harmful to aquatic life with long lasting effects

precaution statements : P264 Wash thoroughly after handling  
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  
P273 Avoid release to the environment  
P302+352 IF ON SKIN: Wash with soap and water  
P362 Take off contaminated clothing and wash before reuse  
P333+313 If skin irritation or a rash occurs: Get medical advice/attention  
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing  
P501 Dispose of contents/container in accordance with local regulations

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

Classified as: IRRITANT  
Symbol: Xi

## R-phrases:

R36/38: Irritating to eyes and skin

R43: May cause sensitisation by skin contact

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

## S-phrases:

S24: Avoid contact with the skin

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

S61: Avoid release to the environment. Refer to special instructions/Safety data sheet

**3. Composition/information on ingredients**

IUPAC name	:	1,2-dimethylcyclohex-3-ene-1-carbaldehyde
Characterisation	:	Cyclic aldehydes
Molecular formula	:	C <sub>9</sub> H <sub>14</sub> O
Molecular weight	:	138.21
CAS no	:	27939-60-2
EINECS no	:	248-742-6
FEMA	:	

**Substances within the mixture**

This product contains:		EINECS	CAS
>95%	3,4-dimethylcyclohexene-3-carbaldehyde Eye2,Ski2,Sen1,ACh3	R 36/38,43,52/53: H 315,317,319,412	248-742-6 27939-60-2

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. Obtain medical attention.
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/CO <sub>2</sub> , 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 liquid
Odour	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	66 °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	0.939 @ 20 °C
Solubility	Insoluble in water, soluble in ethanol
Partition coefficient n-octanol/water	2.85
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	LD50 Oral Rat 3900 mg/kg LD50 Dermal Rabbit > 5000 mg/kg
Skin corrosion/irritation	Irritating to skin
Respiratory or skin sensitization	Data not Available
Serious eye damage/irritation	Irritating to eyes.
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	Data not available
Persistence and degradability data	Data not available
Bioaccumulative potential	Data not available

**13. Disposal considerations**

Dispose in accordance with local regulations. Avoid release into drainage systems and into the environment.

**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

Section 2	Revised hazard information
Section 3	Revised composition information
Section 13	Revised disposal conditions

Section 3 R and H phrases in full

R 36/38	Irritating to the eyes and skin
R 43	May cause sensitization by skin contact
R 52/53	Harmful to aquatic organisms; may cause long term adverse effects in the aquatic environment
H 315	Causes skin irritation
H 317	May cause an allergic skin reaction
H 319	Causes serious eye irritation
H 412	Harmful to aquatic life with long lasting effects
Eye2	Eye irritation 2
Ski2	Skin irritation 2
Sen1	Skin sensitization 1
ACh3	Aquatic chronic 3

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