



MATERIAL SAFETY DATASHEET

326085

VERATRALDEHYDE

15.10.2014

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

Product Name : VERATRALDEHYDE AOL Material Code : 326085
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

Acute toxicity 4
Eye irritation 2
Skin irritation 2
STOT SE3

GHS Labelling

Symbol :



Signal word : Warning

hazard statements : H302 Harmful if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

precaution statements : P264 Wash thoroughly after handling
 P280 Wear protective gloves/protective clothing/eye protection/face protection
 P270 Do not eat, drink or smoke when using this product
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray
 P271 Use only outdoors or in a well-ventilated area
 P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
 P330 Rinse mouth
 P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
 P302+352 IF ON SKIN: Wash with soap and water
 P332+313 If skin irritation occurs: Get medical advice/attention
 P362 Take off contaminated clothing and wash before reuse
 P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P312 Call a POISON CENTER or doctor/physician if you feel unwell
 P403+233 Store in a well ventilated place. Keep container tightly closed
 P501 Dispose of contents/container in accordance with local regulations

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

Classified as: HARMFUL
 Symbol: Xn

R-phrases:

R22: Harmful if swallowed

R36/37/38: Irritating to eyes, respiratory system and skin

S-phrases:

S24/25: Avoid contact with skin and eyes

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

3. Composition/information on ingredients

IUPAC name : 3,4-dimethoxybenzaldehyde
 Characterisation : Aldehyde ethers
 Molecular formula : C9 H10 O3
 Molecular weight : 166.17
 CAS no : 120-14-9
 EINECS no : 204-373-2
 FEMA : 3109

Substances within the mixture

This product contains:	EINECS	CAS
> 98% Veratraldehyde AcT4, Eye2, Ski2, STOT SE3	R 22,36/37/38: H 302,315,319,335	204-373-2 120-14-9

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. Seek medical advice if irritation persists.

Skin contact : Remove contaminated clothing (N.B. wash before re-use). Wash off skin immediately with plenty of water, using soap if available. If any sign of tissue damage or persistent irritation is apparent obtain medical advice immediately

- Eye contact : Rinse the eyes immediately with plenty of water for at least ten minutes. Obtain medical attention.
- Ingestion : Rinse mouth with water. If swallowed, do not induce vomiting. Seek 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 : Flavours

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 solid or Crystalline Flakes
Odour	Sweet woody vanilla like
Odour threshold	Data not available
pH	Data not available
Melting point	42 to 45 °C. @ 760 mm Hg
Initial boiling point	281 °C @ 760 mm Hg
Boiling Range	281 °C @ 760 mm Hg
Flash point	>110°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	0.011 mm/Hg @ 25°C
Vapour Density	Data not available
Relative Density	Data not available
Solubility	Data not available
Partition coefficient n-octanol/water	1.22
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 2000 mg/kg LD50 Dermal Rabbit > 5000 mg/kg
Skin corrosion/irritation	Data not available
Respiratory or skin sensitization	Data not available
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	Data not available
Persistence and degradability data	Data not available
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 22 Harmful if swallowed
R 36/37/38 Irritating to eyes, respiratory system and skin

H 302 Harmful if swallowed
H 315 Causes skin irritation
H 319 Causes serious eye irritation
H 335 May cause respiratory irritation

AcT4 Acute toxicity 4
Eye2 Eye irritation 2
Ski2 Skin irritation 2
STOT SE3 Specific target organ toxicity single exposure 3

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.