SAFETY DATA SHEET
BUTYL VALERATE

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME
BUTYL VALERATE

PRODUCT NO.
B1300

SUPPLIER
OXFORD CHEMICALS LTD
North Gare, Seaton Carew
Harlepool
TS25 2DT
*44 (0) 1429 863555
*44 (0) 1429 867567

FEMA No
2217

2 COMPOSITION/INFORMATION ON INGREDIENTS

EC (EINECS) NO.
209-728-5

GROSS FORMULA
C9 H18 O2

CAS NO.
591-68-4

3 HAZARDS IDENTIFICATION

CLASSIFICATION
X1R35/37/38.

4 FIRST-AID MEASURES

INHALATION
Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

INGESTION
NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

SKIN CONTACT
Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT
Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA
This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS
Wear protective clothing as described in Section 8 of this safety data sheet.

SPILL CLEAN UP METHODS
Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS
Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS
Store in tightly closed original container in a cool, dry well-ventilated place. Keep in original container.

STORAGE CLASS
Chemical storage.
8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS
WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT

ENGINEERING MEASURES
Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT
No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION
Use suitable protective gloves if risk of skin contact.

EYE PROTECTION
Wear dust resistant safety goggles where there is danger of eye contact.

OTHER PROTECTION
Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES
DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE
Liquid

COLOUR
Colourless

ODOUR
Fruity.

SOLUBILITY
Insoluble in water Soluble in Organic solvents

MOL. WEIGHT
158.24

RELATIVE DENSITY
0.861-0.871 @ 20 °C

FLASH POINT (°C)
62 CC (Closed cup)

BOILING POINT (°C)
185 - 187 atm

VAPOUR DENSITY (air=1)
5.4

REFRACTIVE INDEX
1.408-1.415

10 STABILITY AND REACTIVITY

STABILITY
Stable under normal temperature conditions.

CONDITIONS TO AVOID
Avoid excessive heat for prolonged periods of time.

HAZARDOUS DECOMPOSITION PRODUCTS
Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

11 TOXICOLOGICAL INFORMATION

INHALATION
Irritating to respiratory system.

INGESTION
No specific health warnings noted.

SKIN CONTACT
Irritating to skin.

EYE CONTACT
Irritating to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY
No data on possible environmental effects have been found.
**13 DISPOSAL CONSIDERATIONS**

**DISPOSAL METHODS**
Dispose of waste and residues in accordance with local authority requirements.

---

**14 TRANSPORT INFORMATION**

<table>
<thead>
<tr>
<th>ROAD TRANSPORT NOTES</th>
<th>RAIL TRANSPORT NOTES</th>
<th>SEA TRANSPORT NOTES</th>
<th>AIR TRANSPORT NOTES</th>
<th>UN NO. ROAD</th>
<th>UN NO. SEA</th>
<th>UN NO. AIR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Classified</td>
<td>Not Classified</td>
<td>Not Classified</td>
<td>Not Classified</td>
<td>n/c</td>
<td></td>
<td>n/c</td>
</tr>
</tbody>
</table>

---

**15 REGULATORY INFORMATION**

**LABELLING**

- Irritant

**RISK PHRASES**

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

**SAFETY PHRASES**

- 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.

**STATUTORY INSTRUMENTS**

Chemicals (Hazard Information and Packaging) Regulations.

**APPROVED CODE OF PRACTICE**

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

**GUIDANCE NOTES**

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

---

**16 OTHER INFORMATION**

**GENERAL INFORMATION**

The information in this MSDS was obtained from current and reputable sources. However, this data is provided without any warranty, express or implied, regarding its correctness or accuracy. It does not constitute a material specification for the product. The absence of any express statement in this MSDS does not imply that this product may be in contact with any other material without hazard or risk of injury or damage. It is the user's responsibility both to determine safe conditions for the use of this product and to assume liability for injury or damage resulting from improper use of this product. This MSDS supersedes all previous MSDS issues which should be discarded immediately.

**ISSUED BY**

D Symonds

**REVISION DATE**

24/04/2006

**REV. NO./REPL. SDS GENERATED**

5

**SAFETY DATA SHEET STATUS**

Approved.

**DATE**

18-02-98

---

**DISCLAIMER**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.