



**SAFETY DATA SHEET**  
**Dodge Anatomical Art Mixture**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Product name Dodge Anatomical Art Mixture  
Product No. 300100

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Identified uses Embalming fluid

**1.3. Details of the supplier of the safety data sheet**

Supplier The DODGE COMPANY LTD  
Units 11/15, ARDGLEN IND. EST.  
WHITCHURCH  
HAMPSHIRE, RG28 7BB  
UK  
+44 1256 893883  
+ 44 1256 893868  
enquiries@dodge-uk.com

Manufacturer The DODGE COMPANY LTD  
Units 11/15, ARDGLEN IND. EST.  
WHITCHURCH  
HAMPSHIRE, RG28 7BB  
UK  
+44 1256 893883  
+ 44 1256 893868  
enquiries@dodge-uk.com

**1.4. Emergency telephone number**

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.  
Human health Acute Tox. 4 - H302; Acute Tox. 4 - H312; Acute Tox. 4 - H332; Carc. 2 - H351  
Environment Not classified.

Classification (1999/45/EEC)

Xn; R20/21/22. Carc. Cat. 3; R40.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**2.2. Label elements**

Contains FORMALDEHYDE  
Label In Accordance With (EC) No. 1272/2008



Signal Word Warning

Hazard Statements

H302 Harmful if swallowed.  
H312 Harmful in contact with skin.

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|  |          |  |
|--|----------|--|
|  | H332     | Harmful if inhaled.  |
|  | H351     | Suspected of causing cancer.   |
| Precautionary Statements               |          |  |
|  | P271     | Use only outdoors or in a well-ventilated area.  |
|  | P280     | Wear protective gloves/protective clothing/eye protection/face protection.                       |
|  | P281     | Use personal protective equipment as required.   |
|  | P501     | Dispose of contents/container to ...   |
| Supplementary Precautionary Statements |          |  |
|  | P201     | Obtain special instructions before use.  |
|  | P202     | Do not handle until all safety precautions have been read and understood.                        |
|  | P270     | Do not eat, drink or smoke when using this product.  |
|  | P261     | Avoid breathing vapour/spray.  |
|  | P264     | Wash contaminated skin thoroughly after handling.  |
|  | P301+312 | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.                       |
|  | P302+352 | IF ON SKIN: Wash with plenty of soap and water.  |
|  | P304+340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
|  | P308+313 | IF exposed or concerned: Get medical advice/attention.   |
|  | P312     | Call a POISON CENTER or doctor/physician if you feel unwell.                                     |
|  | P322     | Specific measures (see ... on this label).   |
|  | P330     | Rinse mouth.   |
|  | P363     | Wash contaminated clothing before reuse.   |
|  | P405     | Store locked up.   |

**2.3. Other hazards****SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

|  |   |      |
|--|---|------|
| DISODIUM TETRABORATE DECAHYDRATE   |   | < 1% |
| CAS-No.: 1303-96-4   | EC No.: 215-540-4   |      |
| Classification (EC 1272/2008)<br>Repr. 1B - H360FD   | Classification (67/548/EEC)<br>Repr. Cat. 2;R60,R61                                   |      |
| FORMALDEHYDE   |   | 1-5% |
| CAS-No.: 50-00-0   | EC No.: 200-001-8   |      |
| Classification (EC 1272/2008)<br>Acute Tox. 3 - H301<br>Acute Tox. 3 - H311<br>Acute Tox. 2 - H330<br>Skin Corr. 1B - H314<br>Carc. 2 - H351<br>STOT SE 3 - H335 | Classification (67/548/EEC)<br>T;R23/24/25.<br>Carc. Cat. 3;R40.<br>C;R34.<br>Xi;R37. |      |
| METHANOL   |   | 1-5% |
| CAS-No.: 67-56-1   | EC No.: 200-659-6   |      |
| Classification (EC 1272/2008)<br>Flam. Liq. 2 - H225<br>Acute Tox. 3 - H301<br>Acute Tox. 3 - H311<br>Acute Tox. 3 - H331<br>STOT SE 1 - H370                    | Classification (67/548/EEC)<br>F;R11<br>T;R23/24/25,R39/23/24/25                      |      |

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|                               |                             |      |
|-------------------------------|-----------------------------|------|
| PROPAN-2-OL                   |                             | < 1% |
| CAS-No.: 67-63-0              | EC No.: 200-661-7           |      |
| Classification (EC 1272/2008) | Classification (67/548/EEC) |      |
| Flam. Liq. 2 - H225           | F;R11                       |      |
| Eye Irrit. 2 - H319           | Xi;R36                      |      |
| STOT SE 3 - H336              | R67                         |      |
| SODIUM HYDROXIDE              |                             | < 1% |
| CAS-No.: 1310-73-2            | EC No.: 215-185-5           |      |
| Classification (EC 1272/2008) | Classification (67/548/EEC) |      |
| Skin Corr. 1A - H314          | C;R35                       |      |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### Inhalation

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

#### Ingestion

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

#### Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention immediately!

#### Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

### 4.2. Most important symptoms and effects, both acute and delayed

#### General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

#### Inhalation

Vapours may cause headache, fatigue, dizziness and nausea.

#### Ingestion

May cause chemical burns in mouth and throat. May cause stomach pain or vomiting. Ingestion may result in unconsciousness, blindness and death.

#### Skin contact

Skin irritation.

#### Eye contact

Extreme irritation of eyes and mucous membranes, including burning and tearing.

### 4.3. Indication of any immediate medical attention and special treatment needed

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

### 5.2. Special hazards arising from the substance or mixture

#### Specific hazards

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

### 5.3. Advice for firefighters

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### Special Fire Fighting Procedures

Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

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

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Ventilate well. Stop leak if possible without risk. DO NOT touch spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not let washing down water contaminate ponds or waterways. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Provide good ventilation. Avoid inhalation of vapours.

### 7.2. Conditions for safe storage, including any incompatibilities

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

Storage Class

Toxic storage.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage Description

For embalming purposes.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

| Name             | STD | TWA - 8 Hrs    |                  | STEL - 15 Min  |                  | Notes |
|------------------|-----|----------------|------------------|----------------|------------------|-------|
| METHANOL         | WEL | 200<br>ppm(Sk) | 266<br>mg/m3(Sk) | 250<br>ppm(Sk) | 333<br>mg/m3(Sk) |       |
| PROPAN-2-OL      | WEL | 400 ppm        | 999 mg/m3        | 500 ppm        | 1250 mg/m3       |       |
| SODIUM HYDROXIDE | WEL |                |                  |                | 2 mg/m3          |       |

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

### 8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash station.

Engineering measures

Observe occupational exposure limits and minimize the risk of inhalation of vapours.

Respiratory equipment

Wear suitable respiratory protection.

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### Hand protection

Use suitable protective gloves if risk of skin contact.

### Eye protection

Wear approved safety goggles.

### Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

### Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash contaminated clothing before reuse.

### Environmental Exposure Controls

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

|  |  |
|--|--|
| Appearance                                   | slightly opalescent, straw-tan liquid dispersion |
| Colour                                       | Straw.   |
| Odour  | Slightly pungent odour.                          |
| Solubility                                   | Soluble in water.                                |
| Initial boiling point and boiling range (°C) | 92-94 760 mm Hg                                  |
| Relative density                             |  |
| Not known.                                   |  |
| Vapour density (air=1)                       |  |
| Not known.                                   |  |
| Vapour pressure                              |  |
| Not known.                                   |  |
| Evaporation rate                             | >1 BuAc=1  |
| pH-Value, Conc. Solution                     | 8.9-9.5  |
| Flash point (°C)                             |  |
| CC (Closed cup).                             |  |
| Flammability Limit - Lower(%)                | 7  |
| Flammability Limit - Upper(%)                | 73   |

### 9.2. Other information

|                      |    |
|----------------------|----|
| Volatile By Vol. (%) | 92 |
|----------------------|----|

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

Avoid contact with acids and alkalis. Avoid contact with strong oxidisers. Avoid contact with strong reducing agents.

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Other Health Effects

Carcinogen Category 3.

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### Inhalation

Toxic by inhalation. Prolonged inhalation of high concentrations may damage respiratory system. May cause irritation to the respiratory system. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

### Ingestion

Toxic if swallowed. May cause discomfort if swallowed. May cause stomach pain or vomiting. Swallowing concentrated chemical may cause severe internal injury.

### Skin contact

Harmful in contact with skin. Irritating to skin. May cause sensitisation by skin contact. Prolonged contact may cause dryness of the skin.

### Eye contact

Irritating to eyes. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

### Health Warnings

Prolonged inhalation of high concentrations may damage respiratory system. Prolonged or repeated exposure may cause severe irritation. The product causes irritation of mucous membranes and may cause abdominal discomfort if swallowed.

### Medical Considerations

Allergies. Skin disorders and allergies. History of smoking.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Not known.

### 12.1. Toxicity

### 12.2. Persistence and degradability

### 12.3. Bioaccumulative potential

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

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

## SECTION 14: TRANSPORT INFORMATION

### General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

ADR/RID/ADN Class N/A.

### Transport Labels

No transport warning sign required.

### 14.4. Packing group

Not applicable.

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### **14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

No.

### **14.6. Special precautions for user**

Not applicable.

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

## SECTION 15: REGULATORY INFORMATION

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Environmental Listing

Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

EU Legislation

System of specific information relating to Dangerous Preparations. 2001/58/EC.

### **15.2. Chemical Safety Assessment**

## SECTION 16: OTHER INFORMATION

|                      |   |
|----------------------|---|
| Revision Date        | 18/06/2015  |
| Revision             | 5   |
| Supersedes date      | 17/06/2015  |
| Risk Phrases In Full |   |
| R34                  | Causes burns.   |
| R35                  | Causes severe burns.  |
| R20/21/22            | Harmful by inhalation, in contact with skin and if swallowed.   |
| R11                  | Highly flammable  |
| R36                  | Irritating to eyes.   |
| R37                  | Irritating to respiratory system.   |
| R40                  | Limited evidence of a carcinogenic effect.  |
| R61                  | May cause harm to the unborn child.   |
| R60                  | May impair fertility.   |
| R23/24/25            | Toxic by inhalation, in contact with skin and if swallowed.   |
| R39/23/24/25         | Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. |
| R67                  | Vapours may cause drowsiness and dizziness.   |

**Dodge Anatomical Art Mixture**

## Hazard Statements In Full

|        |   |
|--------|---|
| H370   | Causes damage to organs <<Organs>>.       |
| H319   | Causes serious eye irritation.            |
| H314   | Causes severe skin burns and eye damage.  |
| H330   | Fatal if inhaled.                         |
| H332   | Harmful if inhaled.                       |
| H302   | Harmful if swallowed.                     |
| H312   | Harmful in contact with skin.             |
| H225   | Highly flammable liquid and vapour.       |
| H336   | May cause drowsiness or dizziness.        |
| H335   | May cause respiratory irritation.         |
| H360FD | May damage fertility or the unborn child. |
| H351   | Suspected of causing cancer.              |
| H331   | Toxic if inhaled.                         |
| H301   | Toxic if swallowed.                       |
| H311   | Toxic in contact with skin.               |

## 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.