



## MATERIAL SAFETY DATA SHEET

### 01. IDENTIFICATION OF THE SUBSTANCE/MIXTURE & OF THE COMPANY/UNDERTAKING

| 1:1-Product Identifiers:  |  |         |           |            |           |
|---------------------------|--|---------|-----------|------------|-----------|
| Product name              | Organic Castor Oil WHC288  |         |           |            |           |
| Biological Definition     | Ricinus Communis Seed Oil is the fixed oil obtained from the seeds of Castor, <i>Ricinus communis</i> , <i>Euphorbiaceae</i> . |         |           |            |           |
| INCI Name                 | Ricinus Communis Seed Oil  |         |           |            |           |
| Synonyms & Trade Names    | Castor Oil   |         |           |            |           |
| Reach Registration Number | -  |         |           |            |           |
| FEMA No.                  | -  | FDA No. | -         | CoE No.    | -         |
| CAS-No                    | 8001-79-4  | EC No.  | 232-293-8 | EINECS No. | 232-293-8 |

| 1:2 – Relevant Identified Uses of the substance or mixture and uses advised against: |   |
|--|---|
| Identified Uses  | No additional data available  |
| 1:3 – Details of the supplier of the Safety data sheets.                             |   |
| Company Name   | Naturally Balmy Ltd<br>8 Benson Road,<br>Nuffield Industrial<br>Estate, Poole<br>BH17 0GB |
| 1:4 – Emergency Telephone number   |   |
| Contact telephone number   | 01202 567046  |

### 02. HAZARDS IDENTIFICATION

| 2:1 Classification of the substance or mixture      |                                      |
|---|--------------------------------------|
| Classification (1999/45)                            | Not classed as a hazardous substance |
| Classification (EC 1272/2008)                       | Not classed as a hazardous substance |
| 2.2 – Label Elements                                |                                      |
| Label Elements in accordance with (EC) No 1272/2008 | None                                 |
| 2:3 - Other hazards                                 |                                      |
| Signal Word   | None                                 |
| Contains  | No hazardous substances              |



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|  |      |
|--|------|
| Hazard Statements                      | None |
| Precautionary Statements               | None |
| Supplementary Precautionary Statements | None |
| PBT or vPvB according to Annex XIII    | No   |
| Adverse physio-chemical properties     | None |
| Adverse effects on human health        | None |

### 03. COMPOSITION/INFORMATION ON INGREDIENTS

|                  |   |
|------------------|---|
| 3:1 - Substances |   |
| Substances       | 100% Ricinus Communis Seed Oil<br>Cas No: 8001-79-4 Not classed as a hazardous substance. |
| 3:2 - Mixtures   |   |
| Mixtures         | Not applicable  |

### 04. FIRST AID MEASURES

|  |   |
|--|---|
| 4:1 – Description of first aid measures  |   |
| Inhalation   | Not applicable.   |
| Ingestion  | If large amounts are swallowed, give water to drink and seek medical advice.  |
| Skin Contact   | Wash skin with soap and water.  |
| Eye Contact  | Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if irritation persists. Continue to rinse. |
| 4:2 – Most important symptoms and effects, both acute and delayed                |   |
| Symptoms and effects   | No additional data available  |
| 4:3 – Indication of any immediate medical attention and special treatment needed |   |
| Special requirements   | No additional data available  |



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### **05. FIRE-FIGHTING MEASURES**

|  |  |
|--|--|
| <b>5:1 - Extinguishing Media</b>                               |  |
| Suitable extinguishing Media                                   | Foam, Fog, Carbon dioxide or dry powder. |
| Unsuitable extinguishing Media-DO NOT USE                      | No additional data available             |
| <b>5:2 - Special Hazards arising from substance or mixture</b> |  |
| Specific hazards   | Keep free of ignition sources            |
| <b>5:3 – Advice for firefighters</b>                           |  |
| Special firefighting procedures/ protective actions.           | No additional data available             |

### **06. ACCIDENTAL RELEASE MEASURES**

|   |   |
|---|---|
| <b>6:1 - Personal Precautions, protective equipment and emergency procedures.</b> |   |
| Personal precautions  | No additional data available  |
| <b>6:2 - Environmental Precautions</b>  |   |
| Environmental Precautions   | Do not discharge into drains, water courses or onto the ground. Dispose of in line with Local authority guidelines.   |
| <b>6:3 – Methods and materials for containment and cleaning up</b>                |   |
| Spill Clean Up Methods  | Cover with an inert, inorganic, non-combustible absorbent material (e.g dry-lime, sand, soda ash). Place in covered containers and dispose of in accordance with current laws and regulations. Wash with soap and water to prevent slip hazard. |
| <b>6:4 – Reference to other sections</b>  |   |
| Reference to other sections   | Section 8 – Exposure controls/ personal protection for further information on personal precautions,<br>Section 13 – Disposal considerations for further information on waste treatment.   |





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### **07. HANDLING AND STORAGE**

|  |  |
|--|--|
| <b>7:1 – Precautions for safe handling</b>                               |  |
| Usage precautions  | Keep away from strong Oxidizing agents, sources of ignition and open flames. |
| <b>7:2 – Conditions for safe Storage including any incompatibilities</b> |  |
| Storage Precautions  | Store in tightly-closed, container in a dry, cool place.                     |
| Suitable Packaging   | No additional data available   |
| <b>7:3 – Specific end use (s)</b>  |  |
| End Uses   | No additional data available   |

### **08. EXPOSURE CONTROLS/PERSONAL PROTECTION**

|  |   |
|--|---|
| <b>8:1 – Control parameters</b>              |   |
| Components with workplace control parameters | No additional data available  |
| <b>8:2 – Exposure controls</b>               |   |
| Protective Equipment                         |   |
| Process conditions                           | No additional data available.   |
| Engineering Measures                         | Evaluate need based on application. Slip proof shoes may be worn where spills occur.  |
| Respiratory Equipment                        | Not normally required.  |
| Hand Protection                              | Gloves should be worn.  |
| Eye Protection                               | Safety glasses should be worn.  |



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|                                 |  |
|---------------------------------|--|
| Other Protection                | No additional data available.  |
| Hygiene Measures                | Good personal hygiene practices are always advisable, especially when working with chemicals / oils. |
| Personal protection             | Use personal protection according to Directive 89/686/EEC.   |
| Skin protection                 | No additional data available.  |
| Environmental exposure controls | Avoid discharging into drainage water.   |

### 09. PHYSICAL AND CHEMICAL PROPERTIES

|  |                                |
|--|--------------------------------|
| 9:1 - Information on basic physical and chemical properties. |                                |
| Appearance   | Clear liquid, greenish yellow. |
| Colour   | Greenish yellow                |
| Odour  | Characteristic                 |
| Relative Density   | 0.957 - 0.969 @ 20°C           |
| Flash Point (°C)   | ~ 229                          |
| Refractive Index   | 1.477 - 1.481 @ 20°C           |
| Melting Point (°C)   | -10.0                          |
| Boiling Point (°C)   | 313.0                          |
| Vapour Pressure  | No additional data available.  |
| Solubility in Water @20°C                                    | No additional data available.  |
| Auto-ignition temperature (°C)                               | 449.0                          |
| 9:2 - Other information                                      |                                |
| Other Information  | No additional data available.  |

### 10. STABILITY AND REACTIVITY

|                           |  |
|---------------------------|--|
| 10:1- Reactivity          |  |
| Reactivity                | Stable under normal operating conditions |
| 10:2 - Chemical stability |  |



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| Stability  | Stable under normal temperature conditions                                   |
| <b>10:3 - Possibility of hazardous reactions</b> |  |
| Possible hazardous reactions                     | None under normal use conditions   |
| <b>10:4 - Conditions to avoid</b>                |  |
| Conditions to Avoid                              | No additional data available   |
| <b>10:5 – Incompatible materials</b>             |  |
| Incompatible materials                           | Keep away from strong Oxidizing agents, sources of ignition and open flames. |
| <b>10:6 - Hazardous Decomposition Products</b>   |  |
| Hazardous Decomposition Products                 | Carbon Dioxide & Carbon Monoxide may form when heated to decomposition.      |

### **11. TOXOLOGICAL INFORMATION**

|  |                                 |
|--|---------------------------------|
| <b>11:1 Information on toxicological effects</b> |                                 |
| Acute Toxicity                                   | No toxic effect.                |
| Skin corrosion / irritation                      | Not expected to be an irritant. |
| Serious eye damage / irritation                  | Not expected to be an irritant. |
| Respiratory or skin sensitisation                | No additional data available.   |
| Germ Cell Mutagenicity                           | No additional data available.   |
| Carcinogenicity                                  | No additional data available.   |
| Reproductive toxicity                            | No additional data available.   |
| STOT-single exposure                             | No additional data available.   |



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|                        |                               |
|------------------------|-------------------------------|
| STOT-repeated exposure | No additional data available. |
| Aspiration hazard      | No additional data available. |
| Photo-toxicity         | No additional data available. |
| Other Information      | No additional data available. |

### 12. ECOLOGICAL INFORMATION

|   |   |
|---|---|
| 12:1- Toxicity                            |   |
| Ecotoxicity                               | No additional data available.                                     |
| 12:2 - Persistence & degradability        |   |
| Persistence & degradability               | No additional data available.                                     |
| 12:3 - Bioaccumulative Potential          |   |
| Bioaccumulative Potential                 | No additional data available.                                     |
| 12:4 – Mobility in soil                   |   |
| Mobility                                  | No additional data available.                                     |
| 12:5 – Results of PBT and vPvB assessment |   |
| PBT Assessment Results                    | No additional data available.                                     |
| 12:6 Other adverse effects                |   |
| Precautions                               | Do not allow product to enter streams, sewers or other waterways. |

### 13. DISPOSAL CONSIDERATIONS

|                              |
|------------------------------|
| 13:1 Waste treatment methods |
|------------------------------|



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| Disposal Methods | Collect and dispose of waste product at an authorised disposal facility. Product remainders should not intrude soil or waters. |
|------------------|--|

### **14. TRANSPORT INFORMATION**

|   |                                    |
|---|------------------------------------|
| Warning Icon                              | Not bound by transport regulations |
| <b>14:1 – UN Number</b>                   |                                    |
| UN No Road – ADR/RID/ADN                  | Not bound by transport regulations |
| UN No Sea- IMDG                           | Not bound by transport regulations |
| UN No Air –IATA                           | Not bound by transport regulations |
| <b>14:2 – UN proper shipping name</b>     |                                    |
| Road – ADR/RID/ADN                        | No additional data available.      |
| Sea- IMDG                                 | No additional data available.      |
| Air - IATA                                | No additional data available.      |
| <b>14:3 – Transport Hazard class (es)</b> |                                    |
| Road – ADR/RID/ADN                        | No additional data available.      |
| Sea- IMDG                                 | No additional data available.      |
| Air-IATA                                  | No additional data available.      |
| <b>14:4 - Packaging group</b>             |                                    |
| Road – ADR/RID/ADN                        | No additional data available.      |
| Sea- IMDG                                 | No additional data available.      |





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| Air -IATA  | No additional data available.                                |
| <b>14:5 – Environmental hazard</b>   |  |
| Environmentally hazardous substance/ marine pollutant.                                 | No hazard label necessary not bound by transport regulations |
| <b>14:6 - Special precautions for user</b>   |  |
| Precautions  | See sections 6-8   |
| <b>14:7 – Transport in bulk according to Annex II of MARPOL 73/79 and the IBC code</b> |  |
|  | Not defined  |

### **15. REGULATORY INFORMATION**

|  |  |
|--|--|
| <b>15:1 – Safety, health and environmental regulations/ legislation specific for the substance or mixture.</b> |  |
| EU Directives  | Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 <sup>th</sup> Dec 2006<br>Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH),<br>establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing<br>Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments. |
| 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. Safety Data Sheets for Substances and Preparations   |
| Guidance Notes   | Workplace Exposure Limits EH40. CHIP for everyone HSG 108.   |
| <b>15:2 Chemical Safety assessment</b>   |  |
| Assessment information   | A chemical assessment for this product has not been carried out.   |



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### 16. OTHER INFORMATION

|                            |                            |
|----------------------------|----------------------------|
| Revision Date              | 05.10.2016                 |
| Rev No/Repl, SDS Generated | 4                          |
| Change Description         | Updated to new MSDS format |
| Changes made by            | K Tatton                   |
| Review Date                | 05.10.2018                 |
| Risk Phrases in Full       | None                       |
| Hazard Statements in Full  | None                       |
| Other Information          | None                       |

**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.