

# Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

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

<b>1.1. Product identifier</b> Code:083_001
Product nameJO`S ECO LAUNDRY SOAP

<b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b> Identified UsesIndustrial	Professional	Consumer
Soap for laundry -	-	
Uses Advised Against		
Do not use for uses other than those indicated		

<b>1.3. Details of the supplier of the safety data sheet</b> NameThe Green Boutique
Full address47 The Millers
District and CountryBN18 0LE Arundel
<b>United Kingdom</b>
Tel. +44 (0) 1243 697290www.thegreenboutique.co.uk
e-mail address of the competent person
responsible for the Safety Data Sheetthegreenboutiquebydj@gmail.com

<b>1.4. Emergency telephone number</b> For urgent inquiries refer toThe Green Boutique+44 (0) 1243 697290()
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## SECTION 2. Hazards identification

### 2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878.

Hazard classification and indication:

### 2.2. Label elements

Hazard pictograms:--
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Signal words:--
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Hazard statements:

**EUH208** Contains: 2-BENZYLIDENEHEPTANAL, Linalool , 3,7-DIMETHYLOCT-6-EN-1-OL

May produce an allergic reaction.

Precautionary statements:

**P102** Keep out of reach of children.

**P101** If medical advice is needed, have product container or label at hand.

Ingredients according to Regulation (EC) No. 648/2004

30% and more soap

perfumes, Amyl Cinnamal, Citronellol, Coumarin, Geraniol, Linalool

### 2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration  $\geq$  0.1%.

## SECTION 3. Composition/information on ingredients

### 3.1. Substances

Information not relevant

### 3.2. Mixtures

Contains:

Identification x = Conc. %	Classification (EC) 1272/2008 (CLP)	
<b>3,7-DIMETHYLOCT-6-EN-1-OL</b>		
CAS 106-22-90,6 $\leq$ x < 0,7	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1B H317	
EC 203-375-0		
INDEX -		
REACH Reg. 01-2119453995-23		
<b>Linalool</b>		
CAS 78-70-60,1 $\leq$ x < 0,15	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1B H317	
EC 201-134-4		
INDEX 603-235-00-2		
REACH Reg. 01-2119474016-42		
<b>2-BENZYLIDENEHEPTANAL</b>		
CAS 122-40-70,1 $\leq$ x < 0,15	Skin Sens. 1B H317, Aquatic Chronic 2 H411	

EC 204-541-5		
INDEX -		
REACH Reg. 01-2120740487-49		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

## **SECTION 4. First aid measures**

### **4.1. Description of first aid measures**

**EYES:** Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

**SKIN:** Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

**INHALATION:** Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

**INGESTION:** Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

## **SECTION 5. Firefighting measures**

### **5.1. Extinguishing media**

#### **SUITABLE EXTINGUISHING EQUIPMENT**

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

#### **UNSUITABLE EXTINGUISHING EQUIPMENT**

None in particular.

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

#### **HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE**

Do not breathe combustion products.

### **5.3. Advice for firefighters**

#### **GENERAL INFORMATION**

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

#### **SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS**

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6. Accidental release measures**

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

If there are no contraindications, spray powder with water to prevent the formation of dust.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

## 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

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

Collect the leaked product and place it in containers for recovery or disposal. If there are no contraindications, use jets of water to eliminate product residues.

Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

## 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

# SECTION 7. Handling and storage

## 7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

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

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

## 7.3. Specific end use(s)

Information not available

# SECTION 8. Exposure controls/personal protection

## 8.1. Control parameters

<b>3,7-DIMETHYLOCT-6-EN-1-OL</b> Predicted no-effect concentration - PNEC							
Normal value in fresh water	0,002	mg/l					
Normal value in marine water	0	mg/l					
Normal value for fresh water sediment	0,026	mg/kg					
Normal value for marine water sediment	0,003	mg/kg					
Normal value for water, intermittent release	24	mg/l					
Normal value of STP microorganisms	580	mg/l					
Normal value for the terrestrial compartment	0,004	mg/kg					
<b>Health - Derived no-effect level - DNEL / DMEL</b>							
Effects on consumers				Effects on workers			

Route of exposure Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		13,8 mg/kg bw/d					
Inhalation 10 mg/m <sup>3</sup>		10 mg/m <sup>3</sup>	47,8 mg/m <sup>3</sup>			10 mg/m <sup>3</sup> 1h	161,6 mg/m <sup>3</sup>
Skin 2,95 mg/cm <sup>2</sup>			196,4 mg/kg bw/d	2,95 mg/cm <sup>2</sup>			327,4 mg/kg bw/d

Linalool Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,2	mg/l
Normal value in marine water	0,02	mg/l
Normal value for fresh water sediment	2,22	mg/kg
Normal value for marine water sediment	0,222	mg/kg
Normal value for water, intermittent release	2	mg/l
Normal value of STP microorganisms	10	mg/l
Normal value for the food chain (secondary poisoning)	7,8	mg/kg food
Normal value for the terrestrial compartment	0,327	mg/kg

Health - Derived no-effect level - DNEL / DMEL Effects on consumers							
Route of exposure Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral	1,2 mg/kg bw/d		0,2 mg/kg bw/d				
Inhalation	4,1 mg/m <sup>3</sup>		0,7 mg/m <sup>3</sup>		16,5 mg/m <sup>3</sup>		2,8 mg/m <sup>3</sup>
Skin 1,5 mg/cm <sup>2</sup>	2,5 mg/kg bw/d	1,5 mg/cm <sup>2</sup>	1,25 mg/kg bw/d	3 mg/cm <sup>2</sup>	5 mg/kg bw/d	3 mg/cm <sup>2</sup>	2,5 mg/kg bw/d

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

## 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

### HAND PROTECTION

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).

Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

### SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

### EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

## RESPIRATORY PROTECTION

None required, unless indicated otherwise in the chemical risk assessment.

## ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

## SECTION 9. Physical and chemical properties

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

PropertiesValue	Information
Appearancesolid	
Colourwhite	
Odourcharacteristic	
Melting point / freezing pointnot available	
Initial boiling pointnot available	
Flammabilitynot available	
Lower explosive limitnot available	
Upper explosive limitnot available	
Flash pointnot available	
Auto-ignition temperaturenot available	
Decomposition temperaturenot available	
pH7,5	
Kinematic viscositynot available	
Solubilitysoluble in water	
Partition coefficient: n-octanol/waternot available	
Vapour pressurenot available	
Density and/or relative densitynot available	
Relative vapour densitynot available	
Particle characteristicsnot available	

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

Information not available

#### 9.2.2. Other safety characteristics

Explosive propertiesnot classified as explosive, contains no explosive substances according to CLP Art. (14 (2))	
Oxidising propertiesthe product is not an oxidizing substance	

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

### **10.3. Possibility of hazardous reactions**

No hazardous reactions are foreseeable in normal conditions of use and storage.

### **10.4. Conditions to avoid**

None in particular. However the usual precautions used for chemical products should be respected.

### **10.5. Incompatible materials**

Information not available

### **10.6. Hazardous decomposition products**

Information not available

## **SECTION 11. Toxicological information**

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

### **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

#### Metabolism, toxicokinetics, mechanism of action and other information

Information not available

#### Information on likely routes of exposure

Information not available

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

#### Interactive effects

Information not available

## ACUTE TOXICITY

ATE (Inhalation) of the mixture:Not classified (no significant component)
ATE (Oral) of the mixture:Not classified (no significant component)
ATE (Dermal) of the mixture:Not classified (no significant component)

## 2-BENZYLIDENEHEPTANAL

LD50 (Dermal):> 2000 mg/kg rat
LD50 (Oral):2220 mg/kg rat

## Linalool

LD50 (Dermal):5610 mg/kg rabbit
LD50 (Oral):2200 mg/kg mouse
LC50 (Inhalation vapours):> 3,2 mg/l 90 min mouse

## SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

## SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

## RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

2-BENZYLIDENEHEPTANAL

Linalool

3,7-DIMETHYLOCT-6-EN-1-OL

### Respiratory sensitization

Information not available

### Skin sensitization



Information not available

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

Adverse effects on sexual function and fertility

Information not available

Adverse effects on development of the offspring

Information not available

Effects on or via lactation

Information not available

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

#### Route of exposure

Information not available

#### STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

#### Target organs

Information not available

#### Route of exposure

Information not available

#### ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

#### **11.2. Information on other hazards**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

### **SECTION 12. Ecological information**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

#### **12.1. Toxicity**

3,7-DIMETHYLOCT-6-EN-1-OL	
LC50 - for Fish	14,66 mg/l/96h Leuciscus idus
EC50 - for Crustacea	17,48 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	2,4 mg/l/72h
Chronic NOEC for Fish	4,6 mg/l Leuciscus idus
Chronic NOEC for Crustacea	3,1 mg/l Daphnia magna

2-BENZYLIDENEHEPTANAL	
LC50 - for Fish	0,91 mg/l/96h
EC50 - for Crustacea	0,28 mg/l/48h
Chronic NOEC for Crustacea	0,041 mg/l 21d

Linalool	
LC50 - for Fish	27,8 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea	59 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	88,3 mg/l/72h Desmodesmus subspicatus
Chronic NOEC for Fish	< 3,5 mg/l Oncorhynchus mykiss

## 12.2. Persistence and degradability

3,7-DIMETHYLOCT-6-EN-1-OL	
Rapidly degradable	

2-BENZYLIDENEHEPTANAL	
Rapidly degradable	

Linalool	
Rapidly degradable	

## 12.3. Bioaccumulative potential

Information not available

## 12.4. Mobility in soil

2-BENZYLIDENEHEPTANAL	
Partition coefficient: soil/water	2,989

## 12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

## 12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

## 12.7. Other adverse effects

Information not available

## SECTION 13. Disposal considerations

### **13.1. Waste treatment methods**

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Solid residues may be suitable for disposal in an authorised landfill site.

#### **CONTAMINATED PACKAGING**

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

### **14.1. UN number or ID number**

not applicable

### **14.2. UN proper shipping name**

not applicable

### **14.3. Transport hazard class(es)**

not applicable

### **14.4. Packing group**

not applicable

### **14.5. Environmental hazards**

not applicable

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

not applicable

#### 14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

### SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Contained substance

Point75	
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Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

Regulation (EC) No. 648/2004

Ingredients according to Regulation (EC) No. 648/2004

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017).

WGK 3: Severe hazard to waters

### 15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

## SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Eye Irrit. 2Eye irritation, category 2	
Skin Irrit. 2Skin irritation, category 2	
Skin Sens. 1BSkin sensitization, category 1B	
Aquatic Chronic 2Hazardous to the aquatic environment, chronic toxicity, category 2	
H319Causes serious eye irritation.	
H315Causes skin irritation.	
H317May cause an allergic skin reaction.	
H411Toxic to aquatic life with long lasting effects.	

### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

## GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
  2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
  3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
  4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
  5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
  6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
  7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
  8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
  9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
  10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
  11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
  12. Regulation (EU) 2016/1179 (IX Atp. CLP)
  13. Regulation (EU) 2017/776 (X Atp. CLP)
  14. Regulation (EU) 2018/669 (XI Atp. CLP)
  15. Regulation (EU) 2019/521 (XII Atp. CLP)
  16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
  17. Regulation (EU) 2019/1148
  18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
  19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
  20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
  21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- The Merck Index. - 10th Edition
  - Handling Chemical Safety
  - INRS - Fiche Toxicologique (toxicological sheet)
  - Patty - Industrial Hygiene and Toxicology
  - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
  - IFA GESTIS website
  - ECHA website
  - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

## Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

## CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.