



# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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## Dodo Juice Ferrous Dueller

Revision 2

Revision date 2015-07-13

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

#### 1.1. Product identifier

Product name	Dodo Juice Ferrous Dueller
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#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU21] Consumer uses: Private households (= general public = consumers); [PC35] Washing and cleaning products (including solvent based products); [PROC11] Non industrial spraying; [ERC8d] Wide dispersive outdoor use of processing aids in open systems; [AC1] Vehicles; ----- [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products); [PROC11] Non industrial spraying; [ERC8d] Wide dispersive outdoor use of processing aids in open systems; [AC1] Vehicles;
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#### 1.3. Details of the supplier of the safety data sheet

Company	Dodo Juice Limited
Address	Unit 10 Golds Nurseries Business Park Jenkins Drive Elsenham Bishops Stortford CM22 6JX UK
Web	www.dodojuice.com
Telephone	+44(0)1279 813222
Email address of the competent person	factory@dodojuice.com

#### 1.4. Emergency telephone number

Emergency telephone number	+44(0)7891 096802
Company	Dodo Juice Ltd 24 hr

### SECTION 2: Hazards identification

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

2.1.1. Classification - 1999/45/EC	Xn; R22 Xi; R36-43 Symbols: Xn: Harmful.
Main hazards	Harmful if swallowed. Irritating to eyes. May cause sensitisation by skin contact.
2.1.2. Classification - EC 1272/2008	Acute Tox. 4: H302; Skin Sens. 1: H317; Eye Dam. 1: H318;


#### 2.2. Label elements

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## 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Acute Tox. 4: H302 - Harmful if swallowed. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Dam. 1: H318 - Causes serious eye damage.
Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ /if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of water/ . P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER/doctor/ . P321 - Specific treatment (see on this label). P330 - Rinse mouth. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to hazardous waste.

## 2.3. Other hazards

Other hazards	None.
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## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## 67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Alcohol ethoxylate with 6.5MEO		68439-46-3			1 - 10%	Xn; R22 Xi; R41	
docusate sodium		577-11-7	209-406-4		1 - 10%	Xi; R38-41	
Sodium thioglycolate		367-51-1	206-696-4		10 - 20%	T; R25 Xn; R21 Xi; R43	
Sodium C14-C16 olefin sulphonate		68439-57-6	270-407-8		1 - 10%	Xi; R38-41	
sodium xylene sulphonate		1300-72-7	215-090-9		1 - 10%	Xi; R36	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts		68891-38-3	500-234-8		1 - 10%	Xi; R38-41	
Ethanol	603-002-00-5	64-17-5	200-578-6		0 - 0.5%	F; R11	
Ethyl acetate	607-022-00-5	141-78-6	205-500-4		0 - 0.5%	F; R11 Xi; R36 R66 R67	
Methanol	603-001-00-X	67-56-1	200-659-6		0 - 0.5%	F; R11 T; R23/24/25-39/23/24/25	

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## 3.2. Mixtures

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Alcohol ethoxylate with 6.5MEO		68439-46-3			1 - 10%	Acute Tox. 4: H302; Eye Dam. 1: H318;	
docusate sodium		577-11-7	209-406-4		1 - 10%	Skin Irrit. 2: H315; Eye Dam. 1: H318;	
Sodium thioglycolate		367-51-1	206-696-4		10 - 20%	Met. Corr. 1: H290; Acute Tox. 3: H301; Acute Tox. 4: H312; Skin Sens. 1: H317;	
Sodium C14-C16 olefin sulphonate		68439-57-6	270-407-8		1 - 10%	Skin Irrit. 2: H315; Eye Dam. 1: H318;	
sodium xylene sulphonate		1300-72-7	215-090-9		1 - 10%	Eye Irrit. 2: H319;	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts		68891-38-3	500-234-8		1 - 10%	Skin Irrit. 2: H315; Eye Dam. 1: H318;	

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Remove the affected person from the source of contamination immediately. If unconscious and breathing is OK, place in the recovery position.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. If swallowed, rinse mouth with water (only if the person is conscious). Get immediate medical advice/attention.

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

Inhalation	May cause irritation to respiratory system.
Eye contact	Risk of serious damage to eyes.
Skin contact	May cause an allergic skin reaction.
Ingestion	Harmful if swallowed.

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

Eye contact	Remove the affected person from the source of contamination immediately. Immediate medical attention is required.
Ingestion	Immediate medical attention is required.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Alcohol resistant foam. Carbon dioxide (CO2). Dry chemical. Do NOT use water jet.
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## 5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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## 5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear protective clothing.
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## SECTION 6: Accidental release measures

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

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
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## 6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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## 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean
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## 6.3. Methods and material for containment and cleaning up

	spillage area thoroughly with plenty of water.
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## 6.4. Reference to other sections

	SECTION 7: Handling and storage. SECTION 8: Exposure controls/personal protection.
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## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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## 7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
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## 7.3. Specific end use(s)

	Avoid contact with eyes. Wear suitable gloves. Do not breathe gas/fumes/vapour/spray. Do not eat, drink or smoke in areas where this product is used or stored.
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## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

Ethanol	WEL 8-hr limit ppm:	1000	WEL 8-hr limit mg/m3:	1920
	WEL 15 min limit ppm:	-	WEL 15 min limit mg/m3:	-
	WEL 8-hr limit mg/m3 total	-	WEL 15 min limit mg/m3 total	-
	inhalable dust:	-	inhalable dust:	-
	WEL 8-hr limit mg/m3 total	-	WEL 15 min limit mg/m3 total	-
Ethyl acetate	respirable dust:	-	respirable dust:	-
	WEL 8-hr limit ppm:	200	WEL 8-hr limit mg/m3:	-
	WEL 15 min limit ppm:	400	WEL 15 min limit mg/m3:	-
	WEL 8-hr limit mg/m3 total	-	WEL 15 min limit mg/m3 total	-
	inhalable dust:	-	inhalable dust:	-
Methanol	WEL 8-hr limit mg/m3 total	-	WEL 15 min limit mg/m3 total	-
	respirable dust:	-	respirable dust:	-
	WEL 8-hr limit ppm:	200	WEL 8-hr limit mg/m3:	266
	WEL 15 min limit ppm:	250	WEL 15 min limit mg/m3:	333
	WEL 8-hr limit mg/m3 total	-	WEL 15 min limit mg/m3 total	-
	inhalable dust:	-	inhalable dust:	-
	WEL 8-hr limit mg/m3 total	-	WEL 15 min limit mg/m3 total	-
	respirable dust:	-	respirable dust:	-

DNEL: Derived no-effect level.

## Exposure Pattern - Workers

Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Long-term - inhalation - Systemic effects	175 mg/m <sup>3</sup>	
	Long-term - dermal - Systemic effects	2750 mg/kg	

## Exposure Pattern - General population

Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Long-term - inhalation - Systemic effects	52 mg/m <sup>3</sup>	
	Long-term - dermal - Systemic effects	1650 mg/kg	Long-term - oral - Systemic effects 15 mg/kg


## 8.2. Exposure controls

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## 8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Green/Colourless
Odour	Pungent/Perfumes
pH	7 - 8
Relative density	1.08 (H <sub>2</sub> O = 1 @ 20 °C)
Viscosity	6 sec. 3 mm (ISO 2431)
Solubility	Miscible in water

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	Stable under normal conditions.
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## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	No data is available on this product.
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## 10.4. Conditions to avoid

	Keep away from heat.
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## 10.5. Incompatible materials

	Oxidising agents.
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## 10.6. Hazardous decomposition products

	Will not decompose if stored and used as recommended. Burning produces irritating, toxic and obnoxious fumes.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Respiratory or skin sensitisation	HARMFUL IF SWALLOWED. Harmful in contact with skin. May cause sensitisation by skin contact. Sensitizer, Skin.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	NOAEL 20mg/kg/day Rat.
Reproductive toxicity	No teratogenic effects reported.

## 11.1.4. Toxicological Information

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## 11.1.4. Toxicological Information

Alcohol ethoxylate with 6.5MEO	Oral Rat LD50: >200<2000mg/kg	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Dermal Rat LD50: >2000mg/kg	Oral Rat LD50: >2000mg/kg
Sodium C14-C16 olefin sulphonate	Oral Rat LD50: >2000mg/kg	
sodium xylene sulphonate	Oral Rat LD50: 7200mg/kg	Dermal Rabbit LD50: 2000mg/kg

## SECTION 12: Ecological information

## 12.1. Toxicity

Alcohol ethoxylate with 6.5MEO	Fish LC50/96h: 10.0000 mg/l	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Daphnia EC50/48h: 7.4000 mg/l	Algae IC50/72h: 27.7000 mg/l
	Fish LC50/96h: 7.1 mg/l	
	NOEC / EC10 for marine or freshwater organisms: 0.2700 mg/l	
Sodium C14-C16 olefin sulphonate	Daphnia EC50/48h: 10.0000 mg/l	Algae EC50/72h: 10
	Green Algae EC50/48h: 100	Brachydanio Rerio LC50/96h: 12.2mg/l
sodium xylene sulphonate	Daphnia EC50/48h: 1000.0000 mg/l	Algae IC50/72h: 230.0000 mg/l
	Fish LC50/96h: 1000.0000 mg/l	

## 12.2. Persistence and degradability

	No data is available on this product.
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## 12.3. Bioaccumulative potential

	No data is available on this product.
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## BCF: Bioconcentration factor.

Kemsurf OS38	BCF: Bioconcentration factor. 70.8 L/kg
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## 12.4. Mobility in soil

	Soluble in water.
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## 12.5. Results of PBT and vPvB assessment

	Not determined.
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## 12.6. Other adverse effects

	None.
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## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

	Dispose of this material and its container to hazardous or special waste collection point. Do not empty into drains.
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## General information

	Dispose of in compliance with all local and national regulations.
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## SECTION 14: Transport information

## 14.1. UN number

	The product is not classified as dangerous for carriage.
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## 14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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## 14.3. Transport hazard class(es)

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## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

Avoid contact with eyes and skin.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

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

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

## 15.2. Chemical safety assessment

No data available.

## SECTION 16: Other information

## Other information

Revision	This document differs from the previous version in the following areas: 2 - 2.1.2. Classification - EC 1272/2008. 2 - Hazard pictograms. 2 - Signal Word. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Disposal. 9 - 9.1. Information on basic physical and chemical properties (Colour). 9 - 9.1. Information on basic physical and chemical properties (Odour). 12 - 12.1. Toxicity.
Text of risk phrases in Section 3	R11 - Highly flammable. R21 - Harmful in contact with skin. R22 - Harmful if swallowed. R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed. R25 - Toxic if swallowed. R36 - Irritating to eyes. R38 - Irritating to skin. R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R41 - Risk of serious damage to eyes. R43 - May cause sensitisation by skin contact. R66 - Repeated exposure may cause skin dryness or cracking. R67 - Vapours may cause drowsiness and dizziness.
Text of Hazard Statements in Section 3	Acute Tox. 4: H302 - Harmful if swallowed. Eye Dam. 1: H318 - Causes serious eye damage. Skin Irrit. 2: H315 - Causes skin irritation. Met. Corr. 1: H290 - May be corrosive to metals.

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## Other information

Labelling for contents	Acute Tox. 3: H301 - Toxic if swallowed. Acute Tox. 4: H312 - Harmful in contact with skin. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Irrit. 2: H319 - Causes serious eye irritation. anionic surfactants 5% - < 15% amphoteric surfactants 0% - < 5% non-ionic surfactants 0% - < 5% allergenic fragrances 0% - < 5%
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## Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.
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