

SAFETY DATA SHEET
All in 1 Dishwasher Tablets

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

1.1. Product identifier

Product name All in 1 Dishwasher Tablets
Internal identification F2V1

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

Identified uses Automatic dishwashing tabs

1.3. Details of the supplier of the safety data sheet

Supplier

Contact person

1.4. Emergency telephone number

Emergency telephone

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Not Classified

Health hazards

Eye Irrit. 2 - H319 Elicitation (Resp. Sens.)

Environmental hazards

Not Classified

2.2. Label elements

Pictogram



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.
EUH208 Contains Amylase, subtilisin. May produce an allergic reaction.

Precautionary statements

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P264 Wash hands thoroughly after handling.
P280 Wear eye protection.

Contains

Sodium carbonate peroxyhydrate, Cellulose Gum, Amylase, subtilisin

All in 1 Dishwasher Tablets**Detergent labelling**

5 - < 15% oxygen-based bleaching agents, < 5% enzymes, < 5% non-ionic surfactants, < 5% perfumes, < 5% polycarboxylates

Additional Labelling**2.3. Other hazards**

None

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Sodium Carbonate		10-30%
CAS number: 497-19-8 EC number: 207-838-8 REACH registration number: 01-2119485498-19-0000		
Classification Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xi; R36	
Citric Acid Monohydrate		5-10%
CAS number: 5949-29-1 EC number: 201-069-1		
Classification Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xi; R36	
Sodium carbonate peroxyhydrate		5-10%
CAS number: 15630-89-4 EC number: 239-707-6 REACH registration number: 01-2119457268-30-0000		
Classification Ox. Sol. 3 - H272 Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) O; R8. Xn; R22. Xi; R41	
Disodium disilicate		5-10%
CAS number: – EC number: –		
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335	Classification (67/548/EEC or 1999/45/EC) Xn; R22. Xi; R36/37/38	
Alcohol, C12-18 Ethoxylated propoxylated		1-5%
CAS number: 69227-21-0 EC number: –		
Classification Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xi; R36	
Cellulose Gum		1-5%
CAS number: – EC number: –		
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335	Classification (67/548/EEC or 1999/45/EC) Xi; R36/37/38. R43	

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subtilisin <1% CAS number: 9014-01-1 EC number: 232-752-2	
Classification STOT SE 3 - H335 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Resp. Sens. 1 - H334	Classification (67/548/EEC or 1999/45/EC) Xi; R37/38, R41. R42
Amylase <1% CAS number: – EC number: –	
Classification Resp. Sens. 1 - H334	Classification (67/548/EEC or 1999/45/EC) R42

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**

Remove exposure and give water to drink if mouth irritation experienced. Seek medical advice if recovery not rapid.

Ingestion

Drink water. If symptoms persist seek medical advice.

Skin contact

Wash skin thoroughly with soap and water. Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.

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

Possible mild irritation of breathing passage and possible mouth irritation.

Ingestion

Possible mild stomach upset and mild soreness of mouth.

Skin contact

Causes skin irritation.

Eye contact

Causes eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed**Notes for the doctor**

No data available

Specific treatments

No data available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Use extinguisher suitable to cause of fire.

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

Product does not support combustion, minimal fire hazard. Minimal quantities of oxides of carbon may be produced. Oxygen released in thermal decomposition may support combustion.

5.3. Advice for firefighters**Protective actions during firefighting**

Use protection suitable to cause of fire.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions

Product is intended to be rinsed away to sewer after use. For bigger spillages non-household spillages prevent entry into sewer or drains.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Absorb household spillages with e.g kitchen roll and dispose of in bin. Wipe affected area clean with a damp cloth.

6.4. Reference to other sections

Reference to other sections

None

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Use as instructed on label. Avoid contact with skin and eyes. Avoid dust formation. Ensure adequate ventilation. Keep away from heat and sources of ignition. Keep away from incompatible products. Use only clean and dry utensils. Never return unused material to storage receptacle. Keep away from water.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in ambient conditions. Keep out of the reach of children. Keep away from heat. Keep away from incompatible products. Keep away from heat/sparks/open flames/hot surfaces - no smoking. Keep container tightly closed. Keep container in a well-ventilated place. Store in a dry place.

7.3. Specific end use(s)

Specific end use(s)

Automatic dishwashing tablets

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Sodium Carbonate

Long-term exposure limit (8-hour TWA): 10 mg/m³

Sodium carbonate peroxyhydrate

Long-term exposure limit (8-hour TWA): 5 mg/m³

Citric Acid Monohydrate (CAS: 5949-29-1)

PNEC	- Fresh water; 0.44 mg/l
	- Sediment (Freshwater); 3.46 mg/kg
	- Sediment (Marinewater); 34.6 mg/kg
	- Marine water; 0.044 mg/l
	- STP; >1000 mg/l
	- Soil; 33.1 mg/kg

Sodium carbonate peroxyhydrate (CAS: 15630-89-4)

PNEC	- Fresh water; 35 µg/l
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8.2. Exposure controls

Environmental exposure controls

This product does not pose a hazard in normal use when following the usage instructions. Take care to avoid contact with skin and eyes.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

All in 1 Dishwasher Tablets

Appearance

Rectangular tablet blue (top) and white (bottom)

Odour

Lemon

pH

pH (concentrated solution): 10.5-11.4

Initial boiling point and range

Not determined.

Flash point

Not determined.

Flammability (solid, gas)

Does not ignite.

Relative density

20-20.5g

Bulk density

Not available.

Solubility(ies)

Soluble in water

Partition coefficient

Not determined.

Oxidising properties

Not determined.

9.2. Other information**Other information**

Available oxygen (blue part and white part only) 1.0-1.3%

SECTION 10: Stability and reactivity

10.1. Reactivity

No reactivity hazards expected.

10.2. Chemical stability**Stability**

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials**Materials to avoid**

None known. Avoid water, bases, heavy metal salts, reducing agents, organic materials, flammable materials and combustible materials.

10.6. Hazardous decomposition products

Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects**Acute toxicity - oral**

ATE oral (mg/kg)

6,740.54758801

Acute toxicity - dermal

ATE dermal (mg/kg)

22000.0

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l)

All in 1 Dishwasher Tablets

30.0

SECTION 12: Ecological Information

12.1. Toxicity

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

12.2. Persistence and degradability

Persistence and degradability

The product is degraded completely by hydrolysis.

12.3. Bioaccumulative potential

No bio-accumulative potential noted for any component.

Partition coefficient

Not determined.

12.4. Mobility in soil

Mobility

No concerns- the product will dissociate into naturally occurring ions whose levels are regulated by living organisms.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment. Dispose of contaminated packaging in the same way as the product itself. Non-contaminated packages may be recycled.

SECTION 14: Transport information

General Not regulated.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not regulated.

14.4. Packing group

Not applicable.

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 MARPOL 73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

EU legislation

This safety data sheet is compliant with EC Regulation 1907/2006 (REACH) as adapted by 453/2010, Directive 67/548/EEC and EC Regulation 1272/2008 (CLP). Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No. 648/2004 of the European Parliament and of the Council of 31st March 2004 on detergents.

All in 1 Dishwasher Tablets**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by	The London Oil Refining Company Ltd
Revision date	18/03/2015
Revision	1
SDS number	5012
Hazard statements in full	<p>H272 May intensify fire; oxidiser.</p> <p>H302 Harmful if swallowed.</p> <p>H312 Harmful in contact with skin.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H332 Harmful if inhaled.</p> <p>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>EUH208 Contains Amylase, subtilisin. May produce an allergic reaction.</p>