



SAFETY DATA SHEET

Safety data sheet in accordance with Commission Regulation (EU) No. 453/2010 of 20th May 2010 of the European parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

1. Identification of the substance/preparation and company/undertaking

1.1 Product: Astonish Grease Lifter Tablets (F2V1)
 1.2 Use of the preparation: Degreasing kitchen bakeware etc.
 1.3 Company: The London Oil Refining Company Ltd
 Astonish House
 Unit 1 Premier Point
 Staithgate Lane
 Bradford BD6 1DW
 Tel: (01274)767440 Fax: (01274) 726285
 www.astonishcleaners.com
 info@astonish.co.uk

1.4 Emergency Telephone: (01274) 767440 (office hours only)

2. Hazards identification

2.1 Classification of the mixture.

This product is classified as irritant in accordance to EU directive 1999/45/EC.

2.2 Label elements.

The following safety phrases are recommended to be observed when using the product and are therefore on the label;



R37/38 Irritant to respiratory system and skin.

R41 Risk of serious damage to eyes.

S2 Keep out of the reach of children.

S7/8 Keep container closed and dry.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 Wear suitable gloves and eye/face protection

S46 If swallowed seek medical advice immediately and show this container or label.

S47 Keep at temperature not exceeding 40°C.

Hazardous components that must be listed on the label:

>30% Sodium metasilicate pentahydrate <5% Non-ionic surfactants

2.3 Other hazards.

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3. Composition/information on ingredients

Chemical	CAS No.	EINECS No.	Registration Number	% Conc	Classification 1999/45/EC	Classification 1272/2008
Sodium metasilicate pentahydrate	10213-79-3	229-912-9	01-2119449811-37-0004	>30%	C, R34 Xi, R37	Skin Corr. 1B—H314 Acute Tox. 4—H302 STOT SE 3, H335

4.	First Aid measures
4.1	Description of first aid measures <u>Inhalation:</u> Remove exposure and give water to drink if mouth irritation experienced. Seek medical advice if recovery not rapid. <u>Eye:</u> Rinse opened eye for several minutes under running water then consult a doctor. <u>Skin:</u> Rinse affected area with soap and water. <u>Ingestion:</u> If symptoms persist consult a doctor.
4.2	Most important symptoms and effects, both acute and delayed. <u>Inhalation:</u> Irritation of breathing passage and possible mouth irritation. <u>Eye:</u> Severe irritation, redness and soreness. <u>Skin:</u> Irritation of skin. <u>Ingestion:</u> Stomach upset.
4.3	Indication of any immediate medical attention and special treatment needed. No data available.
5.	Fire fighting measures
5.1	Extinguishing media CO ₂ , powder or water spray.
5.2	Special hazards arising from the substance or mixture. No further relevant information,
5.3	Advice for firefighters Use protection suitable to cause of fire.
6.	Accidental release measures
6.1	Personal precautions, protective equipment and emergency procedures -
6.2	Environmental precautions Prevent entry of solid into sewer or drains.
6.3	Methods and material for containment and cleaning up. Collect spillages and dissolve fully in water. Dispose of solution down toilet.
6.4	Reference to other sections -
7.	Handling and storage.
7.1	Precautions for safe handling Use as instructed on label.
7.2	Conditions for safe storage, including any incompatibilities. Store in ambient conditions. Keep away from heat. Keep container closed.
7.3	Specific end use(s) Degreasing kitchen bakeware etc.
8.	Exposure controls/ personal protection The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.
8.1	Exposure Limit Values Contains no substances with exposure limits.
8.2	Exposure controls This product does not pose a hazard in normal use. No personal protective equipment is necessary in normal use. In case of prolonged contact time wear gloves and safety glasses.

9. Physical and chemical properties

9.1 Important health, safety and environmental information

Appearance:	White tablet	Odour:	-
pH :	>11	Boiling point:	Not measured (>100°C)
Flash Point:	Not applicable	Flammability:	Ignition temperature 1010°C
Explosive properties:	None	Oxidising properties:	Not available
Vapour pressure:	Not available	Relative density:	not determined
Solubility:	Soluble in water	Water solubility:	Completely soluble
Partition coefficient: n-octanol/water:			Not available
Viscosity:	Not measured	Vapour density:	>1 (Air=1)
Evaporation rate:	Not measured		

9.2 Other information

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10. Stability and reactivity

10.1 Reactivity

No reactivity hazards expected.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reaction

None under normal conditions.

10.4 Conditions to avoid

None

10.5 Incompatible materials

None

10.6 Hazardous decomposition products

None known

11. Information on toxicological effects.

11.1 Toxicity.

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met. The product is expected to show strong irritant effects on the eyes with the risk of serious damage.

Acute toxicity

Sodium metasilicate pentahydrate

LD₅₀ rat oral 600—1350 mg/kg

12. Ecological information

12.1 Toxicity.

The mixture has not been tested. Based on the available data of the ingredients the mixture is not classified as harmful to the aquatic environment. The product is considered harmful to fish.

Sodium metasilicate pentahydrate

EC₅₀ (Daphnia) 300 mg/kL

12.2 Persistence and biodegradability

Contains detergents that satisfy the biodegradation requirements of directive 648/2004/EC. No other relevant information is available.

12.3 Bioaccumulative potential

No relevant information is available.

12.4 Mobility in soil

No relevant information is available.

12.5 Results of PBT and vPvB assessment

No relevant information is available

12.6 Other adverse effects.

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13. Disposal consideration.
 13.1 Waste treatment methods
 Solid product should be fully dissolved in water before disposal via toilet. Do not allow product or dissolved product to enter septic tanks.

14. Transport information
 Not regulated for transport.

15. Regulatory information
 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
 Commission Regulation (EC) No. 453/2010 of 20th May 2010 amending Regulation (EC) No. 1907/2006 of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
 Directive 1999/45/EC of 31st May 1999, The Dangerous Preparations Directive.
 Regulation (EC) No. 648/2004 of the European Parliament and of the Council of 31st March 2004 on detergents.
 15.2 Chemical Safety Assessment
 The chemical safety assessment has not been carried out for the mixture.

16. Other information.
 In addition to the R and S phrases stated in section 15 the full text of other phrases and statements etc. used but not written out in full in other sections are listed in full here;

R34 Causes burns
 R37 Irritating to respiratory system.

H302 Harmful if swallowed
 H314 Causes severe burns and eye damage
 H335 May cause respiratory irritation.

Aquatic Chronic tox. 3	Chronic Aquatic toxicity Category 3
Acute Tox. 4	Acute Toxicity Category 4
Skin Corr. 1B	Skin corrosion/irritation Category 1B
STOT SE 3	Specified Target Organ Toxicity Single Exposure Category 3