
	Safety Data Sheet According to Regulation (EC) No 1907/2006 (REACH)	Doc. No.:	IMSDS_10266_10267
		Revision:	0
		Date	12/08/2014
		Prepared:	
		Page No.:	1 of 8

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product identifier:	10266, 10267 Grainfather High performance Cleaner 1L and 100ml
1.2 Relevant identified uses of the substance or mixture and uses advised against:	Relevant identified Use(s): Liquid machine detergent; soft metal safe. Uses advised against: Not available.
1.3 Details of the supplier of the Safety Data Sheet:	Imake Ltd, trading as Imake: Handcrafted Foods & Beverages Address: 328 Rosedale Road, Albany, Auckland, New Zealand Telephone: +64 9 415 1206 Email: info@grainfather.com
1.4 Emergency telephone number:	Telephone number: +64 9 415 1206 Opening Hours: 8am to 4.30pm, Monday to Friday

SECTION 2: HAZARDS IDENTIFICATION


2.1 Classification of the substance or mixture	
2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP) Skin corr. 1B, H314 STOT SE 3, H335 Acute Tox. 4, H302 Eye Dam. 1, H318 Met. Corr. 1, H290 <i>See section 2.2 for full text of H- phrases.</i>	
2.1.2 Classification according to Directive 67/548/EEC (DSD) Harmful if swallowed, R22 Causes severe burns, R35 Risk of serious damage to eyes, R41 Irritating to respiratory system, R37	
2.2 Label elements	
<i>Labelling according to Regulation (EC) No 1272/2008 (CLP)</i>	
Hazard pictogram(s):	
Signal Word:	Danger
Hazard Statement(s):	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe burns and eye damage. H318 Causes serious eye damage. H335 May cause respiratory irritation.



Safety Data Sheet
According to Regulation (EC) No 1907/2006 (REACH)

Doc. No.: IMSDS_10266_10267
Revision: 0
Date: 12/08/2014
Prepared:
Page No.: 2 of 8

<p>Precautionary Statement(s):</p>	<p>Prevention: P261 Avoid breathing dust. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P264 Wash hands thoroughly after handling. P280 Wear protective gloves and eye protection. P234 Keep only in original container.</p> <p>Response: P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P310 Immediately call a POISON CENTER.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P390 Absorb spillage to prevent material damage.</p> <p>Storage: P405 Store locked up.</p> <p>P406 Store in corrosive resistant container or container with a resistant inner liner.</p>
<p>2.3 Other hazards</p>	<p>Not applicable.</p>

 Handcrafted Foods & Beverages	Safety Data Sheet According to Regulation (EC) No 1907/2006 (REACH)	Doc. No.:	IMSDS_10266_10267
		Revision:	0
		Date	12/08/2014
		Prepared:	
		Page No.:	1 of 8

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS


Substance	CAS # EC-No.	Proportion	Classification according to Regulation (EC) No 1278/2008 (CLP)
Sodium metasilicate, anhydrous	6834-92-0 229-912-9	5 – 7.5%	Skin Corr. 1B; H314 STOT SE 3; H335
Sodium Polyacrylate	9003-04-7 618-349-8	2.5 – 5%	Not a hazardous substance.
Tetrasodium EDTA	64-02-8 200-573-9	0.5 – 2.5%	Acute Tox. 4; H302 Eye Dam. 1; H318
2-Phosphonobutane- 1,2,4,-tricarboxylic acid	37971-36-1 253-733-5	0.5 – 2.5%	Met. Corr. 1; H290 Eye Irrit. 2; H319
Water	-	Balance to 100%	

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures	
Following inhalation:	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
Following skin contact:	Rinse skin with plenty of water. Wash contaminated clothing before re-use. Call a Poison Centre or doctor if skin irritation occurs.
Following eye contact:	Rinse with water for several minutes; remove contact lenses if present and easy to do so, continue rinsing. Seek medical attention.
Following Ingestion:	Rinse mouth. Do NOT induce vomiting.
Self protection of the first aider:	No action shall be taken involving any personal risk or without suitable first aid training.
4.2 Most important symptoms and effects, both acute and delayed:	Not available.
4.3 Indication of any immediate medical attention and special treatment needed:	Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media:	Suitable extinguishing media: All means of extinguishing media are acceptable.
5.2 Special hazards arising from the substance or mixture:	Hazardous combustion products: At extreme temperatures, toxic organic vapours may evolve including oxides of carbon, nitrogen.

 Handcrafted Foods & Beverages	Safety Data Sheet According to Regulation (EC) No 1907/2006 (REACH)	Doc. No.:	IMSDS_10266_10267
		Revision:	0
		Date	12/08/2014
		Prepared:	
		Page No.:	2 of 8


5.3 Advice for fire-fighters:	Wear self-contained breathing apparatus and protective clothing when in confined spaces.
--------------------------------------	--

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	
6.1.1 For non-emergency personnel	<p>Protective equipment: Refer to SDS section 8 for personal protection details.</p> <p>Emergency procedures: Refer to SDS section 8 for personal protection details.</p>
6.1.2 For emergency responders	Wear self-contained breathing apparatus and protective clothing when in confined spaces.
6.2 Environmental precautions:	Avoid contamination of waterways.
6.3 Methods and material for containment and cleaning up	
6.3.1 For containment:	Contain spill with sand or other absorbent material and transfer to plastic drums for approved disposal.
6.3.2 For cleaning up:	Wash away very small spills with water.
6.3.3 Other information:	Not available.
6.4 Reference to other sections	Refer to SDS section 8 for personal protection details and section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	
Protective measures:	Wear personal protective equipment. Avoid inhaling any vapours/mists. Wear protective gloves and eye protection. Use only outdoors or in a well-ventilated area.
Measures to prevent fire:	Do not smoke when using this product. Avoid exposure to extreme temperatures.
Measures to prevent aerosol and dust generation:	Store locked up.
Measures to protect the environment:	Avoid spills. Keep away from waterways.
Advice on general occupational hygiene:	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
7.2 Conditions for safe storage, including any incompatibilities:	Keep out of reach of children. Store in corrosive resistant container or container with a resistant inner liner. Store separate from foodstuffs. Store separate as for corrosive alkalis.

 Handcrafted Foods & Beverages	Safety Data Sheet According to Regulation (EC) No 1907/2006 (REACH)	Doc. No.:	IMSDS_10266_10267
		Revision:	0
		Date	12/08/2014
		Prepared:	
		Page No.:	3 of 8


7.3 Specific end use(s):	Not available.
---------------------------------	----------------

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
8.1.1 Occupational exposure limits:	No available workplace exposure limits listed in Health and Safety Executive EH40/2005 Workplace exposure limits Second Edition March 2013.
Information on monitoring procedures:	Not available.
DNEL/DMEL and PNEC-Values:	Not available.
8.2 Exposure controls	
8.2.1 Appropriate engineering controls:	Ensure adequate ventilation.
8.2.2 Personal protection equipment:	<p>Eye and face protection: Wear eye protection (safety glasses).</p> <p>Skin protection: Wear protective clothing and gloves.</p> <p>Respiratory Protection: Not available.</p> <p>Thermal hazards: Not available.</p>
8.2.3 Environmental exposure controls:	Avoid contamination of waterways.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid, clear colourless
Odour:	None
Odour threshold:	Not available.
pH:	1% solution, approx. 12
Melting point/ freezing point:	Not available.
Initial boiling point and boiling range:	Not available.
Flashpoint:	Not available.
Evaporation rate:	Not available.
Flammability (solid, gas):	Not available.
Upper/ lower flammability or explosive limits:	Not available.

 Handcrafted Foods & Beverages	Safety Data Sheet According to Regulation (EC) No 1907/2006 (REACH)	Doc. No.:	IMSDS_10266_10267
		Revision:	0
		Date	12/08/2014
		Prepared:	
		Page No.:	4 of 8


Vapour pressure:	Not available.
Relative density:	1.1 – 1.2
Solubility:	100% in water
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not available.
Explosive properties:	Not available.
Oxidising properties:	Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:	Stable under recommended transport or storage conditions.
10.2 Chemical stability:	Product is stable.
10.3 Possibility of hazardous reactions:	Reacts violently with strong acids.
10.4 Conditions to avoid:	None known.
10.5 Incompatible materials:	None known.
10.6 Hazardous decomposition products:	In combustion, at extreme temperatures, toxic organic vapours may evolve including oxides of carbon, nitrogen.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity:	Endpoint: LD50 Value: >5000mg/kg Reference: Calculated based on component chemicals using mixture rules.
Skin corrosion/irritation:	Endpoint: LD50 Value: >5000mg/kg Reference: Calculated based on component chemicals using mixture rules.
Serious eye damage/irritation:	Not available.
Respiratory or skin sensitisation:	Not available.
Germ cell mutagenicity:	Not available.

 Handcrafted Foods & Beverages	Safety Data Sheet According to Regulation (EC) No 1907/2006 (REACH)	Doc. No.:	IMSDS_10266_10267
		Revision:	0
		Date	12/08/2014
		Prepared:	
		Page No.:	5 of 8

Carcinogenicity:	Not available.
Reproductive toxicity:	Not available.
Summary of evaluation of the CMR properties:	Not available.
STOT-single exposure:	Not available.
STOT-repeated exposure:	Not available.
Aspiration hazard:	Not available.

SECTION 12: ECOLOGICAL INFORMATION


12.1 Toxicity	
Acute (short-term) toxicity:	Not available.
Chronic (long-term) toxicity:	Not available.
12.2 Persistence and degradability:	Rapidly degradable.
12.3 Bioaccumulative potential:	Not bioaccumulative.
12.4 Mobility in soil:	Known or predicted distribution to environmental compartments: Surface tension: Adsorption/ Desorption:
12.5 Results of PBT and vPvB assessment	Not available.
12.6 Other adverse effects	Not available.
12.7 Additional information	Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Dispose in accordance with applicable local and national regulations. Avoid disposing into drainage systems and into the environment. Dispose of the product and packaging at an approved landfill or other approved facility. Avoid contamination of waterways. Do not use container for any other purpose.
-------------------------------------	--

SECTION 14: TRANSPORT INFORMATION

14.1 UN number:	1760
------------------------	------

 Handcrafted Foods & Beverages	Safety Data Sheet According to Regulation (EC) No 1907/2006 (REACH)	Doc. No.:	IMSDS_10266_10267
		Revision:	0
		Date	12/08/2014
		Prepared:	
		Page No.:	6 of 8

14.2 UN proper shipping name:	Corrosive Liquid, N.O.S. (Disodium Trioxosilicate)
14.3 Transport hazard class(es):	8
14.4 Packing group:	II
14.5 Environmental hazards:	Not available.
14.6 Special precautions for user:	Not available.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	IBC02

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture: <ul style="list-style-type: none"> • New Zealand EPA Approval: HSR002526 Cleaning Products (Corrosive) Group Standard 2006 • New Zealand Ministry for Primary Industries (was NZFSA) Approved Maintenance Compound (Non-Dairy) C31
15.2 Chemical Safety Assessment: Not available.

SECTION 16: OTHER INFORMATION

16.1 Indication of changes:	Revision 0, new issue.
16.2 Key literature references and sources for data	<ul style="list-style-type: none"> • Directive 67/548/EEC – classification, packaging and labelling of dangerous substances • European Chemicals Agency - Information on Chemicals http://echa.europa.eu/information-on-chemicals • Health and Safety Executive EH40/2005 Workplace exposure limits Second Edition March 2013 • Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 • United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS) 2011
16.3 Legal Disclaimer:	Technical information contained herein, including recommendation(s) for use is, to the best of our knowledge, true and accurate at the time of preparation. This document shall be used only as a guide. A new safety data sheet shall be prepared upon introduction of new ingredients or when there are changes to the Occupational Health & Safety regulations. Imake Ltd. will not accept responsibility for changes to this document by another person or organisation.