

Product Fresh Clean
 Revision date 12 December 2022
 Revision 1



Safety Data Sheet (SDS)
 according to Regulation (EC) No. 1907/2006

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

1.1 Product identifier

Product name Fresh Clean
Product no. HMFRESH
Other means of identification No information available.

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

Identified uses Cleaning Agent (Professional Use Only).
Uses advised against Any other purpose.

1.3 Details of the supplier of the safety data sheet

Supplier Kitchenmaster NI Ltd
 11 Comber Road
 Belfast
 BT8 8AN
 United Kingdom
 Tel: 028 9081477 02890812881
 sales@kitchenmaster-ni.com

Contact person

1.4 Emergency telephone number

Emergency telephone Emergency Telephone Number: 028 9081 4777 08:30 - 17:00 Monday to Thursday 08:30 - 16:30 Friday

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)
 Physical and chemical hazards Not classified
 Human health Eye Irrit.2A - H319
 Environment Not classified

2.2 Label elements

Contains Alcohols, C12-13, branched and linear, ethoxylated
Detergent labeling <5% Phosphates
 <5% amphoteric surfactants
 <5% non-ionic surfactants

Label in accordance with (EC) no. 1272/2008



Signal word Warning

Hazard statements H319 Causes serious eye irritation.

Precautionary statements **Prevention**
 P264 Wash exposed skin thoroughly after handling.
 P280 Wear protective gloves/ protective clothing/eye protection/face protection.

Response

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.

2.3 Other hazards

None known.

Section 3: Composition/information on ingredients**3.1 Substance**

Not applicable.

3.2 Mixtures

Name	Product identifier	Regulation (EC) No 1272/2008	%
tetrapotassium pyrophosphate	CAS-No.: 7320-34-5 EC No.: 230-785-7	Eye Irrit.2A - H319	1-5%
Alcohols, C12-13, branched and linear, ethoxylated	CAS-No.: 160901-19-9 EC No.: 931-954-4	Acute Tox 4 - H302, Eye Dam. 1 - H318, Aquatic Chronic 3 - H412	1-5%
propan-2-ol	CAS-No.: 67-63-0 EC No.: 200-661-7 REACH Reg No.: 01-2119457558-25-XXXX	Eye Irrit.2A - H319, Flam. Liq 2- H225, STOT SE 3 - H336	1-5%
1-methoxypropan-2-ol	CAS-No.: 107-98-2 EC No.: 203-539-1 REACH Reg No.: 01-2119457435-35-XXXX	Flam. Liq 3- H226, STOT SE 3 - H336	<1%
citral	CAS-No.: 5392-40-5 EC No.: 226-394-6 REACH Reg No.: 01-2119462829-23-XXXX	Skin Irrit.2 - H315, Eye Irrit.2A - H319, Skin. Sens 1 B- H317	<0.1%
diethyl phthalate	CAS-No.: 84-66-2 EC No.: 201-550-6		<0.1%

The full text for all hazard statements are displayed in section 16.

Composition comments

The data shown are in accordance with the latest EC Directives.

Section 4: First aid measures**4.1 Description of first aid measures****General information**

Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue.

Inhalation

Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion

If this product is ingested, remove victim immediately from source of exposure. Rinse mouth thoroughly. Do not induce vomiting. Provide fresh air, warmth and rest. Get medical attention. Never give anything by mouth to an unconscious person.

Skin contact

Remove victim immediately from source of exposure. Remove contaminated clothing, shoes and jewelry and wash before reuse. Wash the skin immediately with water. Obtain medical attention if irritation persists or if blistering occurs.

Eye contact

Do not rub eye. If this product contacts the eyes, gently flush eyes with water for at least fifteen (15) minutes, lifting the upper and lower eyelids occasionally. Remove contact lenses if present and easy to do so. Avoid contaminating unaffected eye. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed**General information**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

Inhalation of mist or vapor may cause respiratory tract irritation.

Ingestion

Ingestion may cause nausea and irritation to the mouth, throat and digestive system.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the physician Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing media

Extinguishing media Use fire-extinguishing media appropriate for surrounding materials. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media High volume water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products During fire, gases hazardous to health may be formed.

Unusual fire & explosion hazards No unusual fire or explosion hazards noted.

Specific hazards Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂). In the event of damage to packaging, floors may become slippery, avoid falls.

5.3 Advice for firefighters

Special fire fighting procedures If possible, fight fire from protected position. Avoid breathing fire vapours. Ventilate closed spaces before entering them. Containers close to fire should be removed immediately or cooled with water if safe to do so.

Protective equipment for firefighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Eliminate all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. In case of inadequate ventilation, use respiratory protection. Do not touch or walk through spilled material. If necessary evacuate surrounding areas.

For emergency responders Follow safe handling advice and personal protective equipment recommendations for normal use of product.

6.2 Environmental precautions

Environmental precautions Do not discharge onto the ground or into water courses.

6.3 Methods and material for containment and cleaning up

Spill clean up methods Stop leak if possible without risk. DO NOT touch spilled material! When dealing with a spillage, wear necessary protective equipment. Absorb spillage with non-combustible, inert absorbent material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Wash thoroughly after dealing with a spillage.

6.4 Reference to other sections

Reference to other sections See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handling Read and follow manufacturer's recommendations. Use proper personal protection when handling (refer to Section 8). Do not handle broken packages without protective equipment. Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Do not

eat, drink or smoke when using the product. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions	Keep upright, locked up and out of reach of children. Keep the product in its original container. Store in cool dry areas away from direct sunlight or sources of ignition. Keep away from incompatible materials (see section 10).
Storage class	Corrosive storage.

7.3 Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
Usage description	Use only according to directions. Replace and tighten cap after use.

Section 8: Exposure controls/Personal protection

8.1 Control parameters

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
propan-2-ol	OEL	200 ppm		400 ppm		Sk
propan-2-ol	WEL	400 ppm	999 mg/m ³	500 ppm	1250 mg/m ³	
1-methoxypropan-2-ol	OEL	100 ppm	375 mg/m ³	150 ppm	568 mg/m ³	IOELV
1-methoxypropan-2-ol	WEL	100 ppm	375 mg/m ³	150 ppm	560 mg/m ³	Sk
citral	OEL	5(IFV) ppm				
diethyl phthalate	WEL		5 mg/m ³		10 mg/m ³	

Ingredient comments	Ireland, Occupational Exposure Limits 2021. Workplace Exposure Limits Guidance Note EH40/2005.
----------------------------	---

8.2 Exposure Controls

Protective equipment



Engineering measures	Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.
Respiratory equipment	If ventilation is inadequate, suitable respiratory protection must be worn. EN 136/140/145/143/149. The specific respirator selected must be based on contamination levels found in the work place. Where risk assessment shows air-purifying respirators are appropriate a full face respirator conforming to EN143 should be used, and suitable respirator cartridges as a backup to engineering controls. Recommended: Respirator with combination filter for vapour/particulate (EN 141). Consult manufacturer for specific advice. For higher level protection use type ABEK-P2 (EU EN 143) respirator cartridges.
Hand protection	Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374) is recommended. (EU Directive 89/686/EEC). Gloves must be inspected prior to use. Suggested material: Butyl-rubber. Breakthrough time: >480 minutes. Minimum layer thickness: 0.33 mm. Consult manufacturer for advice. Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Eye protection	Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).
Other protection	Wear appropriate clothing to prevent skin contact. The selected clothing must satisfy the European norm standard EN 943. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been

Hygiene measures	soiled must be washed. Observe normal hygiene standards. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke. Wash hands after use.
Process conditions	Ensure that eye flushing systems and safety showers are located close by in the work place.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Green. Clear.
Odour	Slight pine.
Odour threshold - lower	No information available as testing has not been completed.
Odour threshold - upper	No information available as testing has not been completed.
pH-Value, Conc. Solution	9.5 - 10.5
pH-Value, Diluted solution	Not relevant as the product is a concentrated solution.
Melting point	No information available as testing has not been completed.
Initial boiling point and boiling range	No information available as testing has not been completed.
Flash point	Non-Flammable
Evaporation rate	No information available as testing has not been completed.
Flammability state	Not applicable as the product is not flammable.
Flammability limit - lower(%)	Not applicable as the product is not flammable.
Flammability limit - upper(%)	Not applicable as the product is not flammable.
Vapour pressure	No information available as testing has not been completed.
Vapour density (air=1)	No information available as testing has not been completed.
Relative density	1.01 - 1.03 kg/l (at 20°C)
Bulk density	Does not apply, the product is a liquid.
Solubility	Soluble in water.
Decomposition temperature	No information available as testing has not been completed.
Partition coefficient; n-Octanol/Water	Does not apply, the product is a mixture.
Auto ignition temperature (°C)	Not applicable as the product is not flammable.
Viscosity	No information available as testing has not been completed.
Explosive properties	Not classified as explosive.
Oxidising properties	The product does not meet the criteria to be classified as oxidising.

9.2 Other information

Molecular weight	Does not apply, the product is a mixture.
Volatile organic compound	No information available as testing has not been completed.
Other information	None noted.

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity Reaction with: Strong oxidising agents. Acids.

10.2 Chemical stability

Stability Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Hazardous reactions For information on hazardous reaction see section 10.1.
Hazardous polymerisation Unknown.
Polymerisation description Unknown.

10.4 Conditions to Avoid

Conditions to avoid Heat, sparks, open flames, temperature extremes and direct sunlight.

10.5 Incompatible materials

Materials to avoid Do not mix with other chemicals unless listed on directions. Strong oxidising substances. Strong acids.

10.6 Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Section 11: Toxicological information

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

Toxicological information No toxicological information for the overall finished product.

Acute toxicity (Oral LD50) No information available as testing has not been completed.
Acute toxicity (Dermal LD50) No information available as testing has not been completed.
Acute toxicity (Inhalation LD50) No information available as testing has not been completed.

Serious eye damage/irritation Causes serious eye irritation.

Skin corrosion/irritation The product is not classified as a skin corrosion/irritation hazard.

Respiratory sensitisation The product is not classified as a respiratory hazard.
Skin sensitisation The product is not classified as a skin sensitisation hazard.

Germ cell mutagenicity The product is not classified as a mutagen.

Carcinogenicity The product is not classified as a carcinogen hazard.

Specific target organ toxicity - Single exposure:
STOT - Single exposure The product is not classified as a single exposure specific target organ toxin.
Specific target organ toxicity - Repeated exposure:
STOT - Repeated exposure The product is not classified as a repeat exposure specific target organ toxin.

Inhalation Inhalation of mist or vapor may cause respiratory tract irritation.
Ingestion Ingestion may cause nausea and irritation to the mouth, throat and digestive system.
Skin contact Prolonged contact may cause redness, irritation and dry skin.
Eye contact Causes serious eye irritation.
Waste management When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Routes of entry Eyes, skin, ingestion or inhalation.
Target organs Eyes, skin, digestive system, respiratory system.

Aspiration hazards: The product is not classified as an aspiration hazard.
Reproductive toxicity: The product is not classified as a reproductive hazard.

Name	LD50 oral	LD50 dermal	LD50 inhalation
tetrapotassium pyrophosphate	>2000.00mg/kg Rat	>2000.00mg/kg Rabbit	>1.10mg/l (vapours) Rat 1 Hours
propan-2-ol	5045.00mg/kg Rat		
Alcohols, C12-13, branched and linear, ethoxylated	>300.00mg/kg Rat	>2000.00mg/kg Rabbit	
1-methoxypropan-2-ol	4016.00mg/kg Rat	>2000.00mg/kg Rat	

11.2 Information on other hazards

Information on other hazards None known.

Section 12: Ecological information

12.1 Toxicity

Acute toxicity - Fish No information available as testing has not been completed.
Acute toxicity - Aquatic invertebrates No information available as testing has not been completed.
Acute toxicity - Aquatic plants No information available as testing has not been completed.
Acute toxicity - Microorganisms No information available as testing has not been completed.
Chronic toxicity - Fish No information available as testing has not been completed.
Chronic toxicity - Aquatic invertebrates No information available as testing has not been completed.
Chronic toxicity - Aquatic plants No information available as testing has not been completed.
Chronic toxicity - Microorganisms No information available as testing has not been completed.
Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Eco toxicological information No ecological toxicity available on the overall finished product.

12.2 Persistence and degradability

Degradability The degradability of the product has not been stated.
Biological oxygen demand No information available as testing has not been completed.
Chemical oxygen demand No information available as testing has not been completed.

12.3 Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.
Bioaccumulation factor No information available as testing has not been completed.
Partition coefficient; n-Octanol/Water Does not apply, the product is a mixture.

12.4 Mobility in soil

Mobility Soluble in water.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment The product does not contain any PBT or vPvB Substances.

12.6 Endocrine disrupting properties

Endocrine disrupting properties The product does not contain any substances with endocrine disrupting properties at a concentration above or equal to 0.1%.

12.7 Other adverse effects

Other adverse effects No information available.

Name	Acute toxicity (Fish)	Acute toxicity (Aquatic invertebrates)	Acute toxicity (Aquatic plants)

tetrapotassium pyrophosphate	LC50 96 Hours >100.00mg/l Onchorhynchus mykiss (Rainbow Trout)	EC50 48 Hours >100.00mg/l Daphnia magna	
Alcohols, C12-13, branched and linear, ethoxylated		EC50 48 Hours 1.00mg/l Daphnia magna	
1-methoxypropan-2-ol	LC50 96 Hours 6812.00mg/l Leuciscus idus (Golden Orfe)	EC50 48 Hours >21000.00mg/l Daphnia magna	

Section 13: Disposal considerations

Waste management When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1 Waste treatment methods

Disposal methods Dispose of waste and residues in accordance with local authority requirements.

Section 14: Transport information

14.1 UN number or ID number

UN no. (ADR) Not applicable.
 UN no. (IMDG) Not applicable.
 UN no. (IATA) Not applicable.

14.2 UN proper shipping name

ADR proper shipping name Not applicable.
 IMDG proper shipping name Not applicable.
 IATA proper shipping name Not applicable.

14.3 Transport hazard class(es)

ADR class Not applicable.
 IMDG class Not applicable.
 IATA class Not applicable.

Transport labels Not applicable

14.4 Packing group

ADR/RID/ADN packing group Not applicable.
 IMDG packing group Not applicable.
 IATA packing group Not applicable.

14.5 Environmental hazards

ADR No
 IMDG No
 IATA No

14.6 Special precautions for user

EMS Not applicable.
 Emergency action code Not applicable.
 Hazard no. (ADR) Not applicable.
 Tunnel restriction code Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

Section 15: Regulatory information

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

EU legislation 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 with amendments. The UN Globally Harmonized System (GHS) Safety

Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019.

Approved code of practice

Workplace Exposure Limits Guidance Note EH40/2005.

2021 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2021) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019)

15.2 Chemical safety assessment

Chemical safety assessment

No chemical safety assessment has been carried out.

Section 16: Other information

General information	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
Revision comments	This is a first issue.
Revision date	12 December 2022
Revision	1
Safety data sheet status	Approved.

Hazard statements in full

H319	Causes serious eye irritation.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.
H225	Highly flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H411	Toxic to aquatic life with long lasting effects.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H410	Very toxic to aquatic life with long lasting effects.
H361	Suspected of damaging fertility or the unborn child .
H335	May cause respiratory irritation.
H360	May damage fertility or the unborn child .
H400	Very toxic to aquatic life.

Disclaimer

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.