

Product Washroom Cleaner
 Revision date 23 February 2021
 Revision 4



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	Washroom Cleaner
Product no.	HM107
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.
Uses advised against	No uses advised against are identified.

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 90814777 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
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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	Aquatic Chronic 3 - H412

2.2 Label elements

Contains	Alcohols, C12-13, branched and linear, ethoxylated Benzyl-C12-14-alkyldimethylammonium chlorides
Detergent labeling	<5% non-ionic surfactants

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



Signal word	Warning
Hazard statements	H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	Prevention P264 Wash exposed skin thoroughly after handling. P273 Avoid release to the environment.

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.

Disposal

P501 Dispose of contents/ container to a licensed hazardous waste disposal facility in accordance with all applicable regulations.

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	%
citric acid	CAS-No.: 77-92-9 EC No.: 201-069-1 REACH Reg No.: 01-2119457026-42-0006	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%
ETHANOL	CAS-No.: 64-17-5 EC No.: 200-578-6 REACH Reg No.: 01-2119457610-43-XXXX	Flam. Liq 2- H225, Eye Irrit.2A - H319	0.1-1%
2-butoxyethanol	CAS-No.: 111-76-2 EC No.: 203-905-0 REACH Reg No.: 01-2119475108-36-XXXX	Acute Tox 4 - H302, Acute Tox 4 - H312, Acute Tox 4 - H332, Skin Irrit.2 - H315, Eye Irrit.2A - H319	0.1-1%
Benzyl-C12-14-alkyldimethylammonium chlorides	CAS-No.: 85409-22-9 EC No.: 939-350-2 REACH Reg No.: 01-2119970550-39-0000	Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410, Acute Tox 4 - H302, Skin Corr. 1B - H314, Eye Dam. 1 - H318	0.1-0.9%
diethyl phthalate	CAS-No.: 84-66-2 EC No.: 201-550-6		<0.1%
2-methylpropan-2-ol	CAS-No.: 75-65-0 EC No.: 200-889-7	Acute Tox 4 - H332, Eye Irrit.2A - H319, STOT SE 3 - H335, Flam. Liq 2- H225	<0.1%
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%

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.
Ethanol: Specific Concentration Limits - Eye Irrit. 2; H319: >= 50.

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

Eye contact	attention if irritation persists or if blistering occurs. 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.
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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	May cause digestive tract irritation, pain or vomiting.
Skin contact	Skin contact may cause redness and irritation.
Eye contact	Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the physician	Treat symptomatically.
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Section 5: Firefighting measures**5.1 Extinguishing media**

Extinguishing media	Use fire-extinguishing media appropriate for surrounding materials. This product is not flammable.
Unsuitable extinguishing media	High volume water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products	During fire, toxic gases (CO, CO ₂) are formed.
Unusual fire & explosion hazards	No unusual fire or explosion hazards noted.
Specific hazards	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO ₂).

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. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.
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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.
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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. Store separate from other products which react with acids and strong oxidising agents.

Storage class Chemical 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
ETHANOL	OEL			1000 ppm		
ETHANOL	WEL	1000 ppm	1920 mg/m ³			
2-butoxyethanol	OEL	20 ppm	98 mg/m ³	50 ppm	246 mg/m ³	Sk, IOELV
2-butoxyethanol	WEL	25 ppm	123 mg/m ³	50 ppm	246 mg/m ³	Sk, BMGV
diethyl phthalate	WEL		5 mg/m ³		10 mg/m ³	
2-methylpropan-2-ol	WEL	100 ppm	308 mg/m ³	150 ppm	462 mg/m ³	
2-methylpropan-2-ol	OEL	100 ppm	300 mg/m ³			
citral	OEL	5(IFV) ppm				

Ingredient comments WEL - Workplace Exposure Limits - EH40/2005 Workplace exposure limits. Ireland, Occupational Exposure Limits 2020.

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

Not normally required when used at normal temperatures. 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. The specific respirator selected must be based on contamination levels found in the work place. Use respiratory protective components with combined A/B/E/KP filter(s) for organic/inorganic/acid/ammonia and particulates. Consult manufacturer for specific advice.

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: Nitrile rubber. 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. Nitrile rubber- NBR: thickness \geq 0,35mm; breakthrough time \geq 480min. Polyvinyl chloride- PVC: thickness \geq 0,5mm; breakthrough time \geq 480min. Butyl rubber: thickness \geq 0,5mm; breakthrough time \geq 480min.
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	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.
Hygiene measures	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	Clear liquid.
Colour	Blue/Aqua
Odour	Characteristic. Slight.
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	2.5 - 3.0
pH-Value, Diluted solution	Not applicable 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	No Flash Point to Boiling.
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	1.00 - 1.01 kg/l (at 20°C)
Bulk density	Not applicable as 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	Not applicable as 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	Not applicable as 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.
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10.2 Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3 Possibility of hazardous reactions

Hazardous reactions	For information on hazardous reaction see section 10.1.
Hazardous polymerisation	Will not polymerise.
Polymerisation description	Not applicable.

10.4 Conditions to Avoid

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

Materials to avoid	Keep away from acids and oxidants.
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10.6 Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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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	May cause digestive tract irritation, pain or vomiting.
Skin contact	Skin contact may cause redness and irritation.
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, inhalation and ingestion.

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
Benzyl-C12-14-alkyldimethylammonium chlorides	397.50mg/kg Rat	3412.00mg/kg Rabbit	
Alcohols, C12-13, branched and linear, ethoxylated	>300.00mg/kg Rat	>2000.00mg/kg Rabbit	
2-butoxyethanol	1300.00mg/kg Rat		
citric acid	5400.00mg/kg Mouse	>2000.00mg/kg Rat	
ETHANOL	10470.00mg/kg Rat	>2000.00mg/kg Rabbit	51.00mg/l (vapours) Rat 4 Hours

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 contains a substance which is harmful to aquatic life with long lasting effects.

Eco toxicological information

The product contains a substance which is harmful to aquatic organisms.

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

Not applicable as 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**

None known.

Name	Acute toxicity (Fish)	Acute toxicity (Aquatic invertebrates)	Acute toxicity (Aquatic plants)
Alcohols, C12-13, branched and linear, ethoxylated		EC50 48 Hours 1.00mg/l Daphnia magna	
2-butoxyethanol	LC50 96 Hours 1474.00mg/l Onchorhynchus mykiss (Rainbow Trout)	EC50 48 Hours 1550.00mg/l Daphnia magna	EC50 72 Hours 1840.00mg/l Selenastrum Capricornutum
citric acid	LC50 48 Hours 440.00mg/l Freshwater Fish		
ETHANOL	LC50 96 Hours 15300.00mg/l Pimephales promelas (Fat-head Minnow)	EC50 48 Hours 12340.00mg/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).
Approved code of practice	Workplace Exposure Limits Guidance Note EH40/2005. 2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) 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.
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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 fourth issue. [1]Information updated. [2]Information updated. [3]Information updated. [4]Information updated. [7]Information updated. [8]Information updated. [9]Information updated. [11]Information updated. [12]Information updated. [15]Information updated.
Revision date	23 February 2021
Supersedes date	19 December 2019
Revision	4
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.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H411	Toxic to aquatic life with long lasting effects.
H335	May cause respiratory irritation.
H304	May be fatal if swallowed and enters airways.
H361	Suspected of damaging fertility or the unborn child .

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.