

Product Glass & Stainless Steel Cleaner  
 Revision date 10 February 2021  
 Revision 2



**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**

<b>Product name</b>	<b>Glass &amp; Stainless Steel Cleaner</b>
<b>Product no.</b>	<b>HM104</b>
<b>Other means of identification</b>	No information available.

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

<b>Identified uses</b>	Cleaning agent. For professional use only.
<b>Uses advised against</b>	No uses advised against are identified.

**1.3 Details of the supplier of the safety data sheet**

<b>Supplier</b>	Kitchenmaster NI Ltd 11 Comber Road Belfast BT8 8AN United Kingdom Tel: 028 90814777
<b>Contact person</b>	sales@kitchenmaster-ni.com

**1.4 Emergency telephone number**

<b>Emergency telephone</b>	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**

<b>Classification (EC 1272/2008)</b>	
Physical and chemical hazards	Not classified
Human health	Not classified
Environment	Not classified

**2.2 Label elements**

<b>Contains</b>	Not applicable
<b>Detergent labeling</b>	<5% anionic surfactants <5% non-ionic surfactants
<b>Label in accordance with (EC) no. 1272/2008</b>	No pictogram required
<b>Signal word</b>	No Signal Word
<b>Hazard statements</b>	No hazard statements required
<b>Precautionary statements</b>	No precautionary statements required

**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	%
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	1-5%
sodium xylenesulphonate	CAS-No.: 1300-72-7 EC No.: 215-090-9 REACH Reg No.: 01-2119513350-56-0001	Eye Irrit.2A - H319	0.1-0.9%
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	0.1-0.9%
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%

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 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**

Exposure to liquid product may cause irritation to mouth, throat and esophagus.

**Skin contact**

Prolonged contact with skin may cause irritation.

**Eye contact**

May cause temporary 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, toxic gases (CO, CO<sub>2</sub>) are formed.  
**Unusual fire & explosion hazards** No unusual fire or explosion hazards noted.  
**Specific hazards** Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). 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. Floors may become slippery, avoid falls.

### **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.  
**Storage class** Unspecified 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 <sup>3</sup>			
2-butoxyethanol	OEL	20 ppm	98 mg/m <sup>3</sup>	50 ppm	246 mg/m <sup>3</sup>	Sk, IOELV
2-butoxyethanol	WEL	25 ppm	123 mg/m <sup>3</sup>	50 ppm	246 mg/m <sup>3</sup>	Sk, BMGV
2-methylpropan-2-ol	WEL	100 ppm	308 mg/m <sup>3</sup>	150 ppm	462 mg/m <sup>3</sup>	
2-methylpropan-2-ol	OEL	100 ppm	300 mg/m <sup>3</sup>			

**Ingredient comments**

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

**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. Consult manufacturer for specific advice. Use type ABEK (EN 14387) 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. Full contact: Material: Fluorinated rubber. Minimum layer thickness: 0.7 mm. Break through time: 480 min. 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 handing this product. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.

**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**

Liquid.

**Colour**

Green. Clear.

**Odour**

Characteristic.

**Odour threshold - lower**

No information available as testing has not been completed.

**Odour threshold - upper**

No information available as testing has not been completed.

<b>pH-Value, Conc. Solution</b>	8.5 - 9.5
<b>pH-Value, Diluted solution</b>	Not applicable as the product is a concentrated solution.
<b>Melting point</b>	No information available as testing has not been completed.
<b>Initial boiling point and boiling range</b>	No information available as testing has not been completed.
<b>Flash point</b>	Above 62°C
<b>Evaporation rate</b>	No information available as testing has not been completed.
<b>Flammability state</b>	The product is not classified as flammable.
<b>Flammability limit - lower(%)</b>	The product is not classified as flammable.
<b>Flammability limit - upper(%)</b>	The product is not classified as flammable.
<b>Vapour pressure</b>	No information available as testing has not been completed.
<b>Vapour density (air=1)</b>	No information available as testing has not been completed.
<b>Relative density</b>	0.99 - 1.00 kg/l (at 20°C)
<b>Bulk density</b>	Not applicable as the product is a liquid.
<b>Solubility</b>	Soluble in water.
<b>Decomposition temperature</b>	No information available as testing has not been completed.
<b>Partition coefficient; n- Octanol/Water</b>	Not applicable as the product is a mixture.
<b>Auto ignition temperature (°C)</b>	The product is not classified as flammable.
<b>Viscosity</b>	No information available as testing has not been completed.
<b>Explosive properties</b>	Not classified as explosive.
<b>Oxidising properties</b>	The product does not meet the criteria to be classified as oxidising.

## **9.2 Other information**

<b>Molecular weight</b>	Not applicable as the product is a mixture.
<b>Volatile organic compound</b>	No information available as testing has not been completed.
<b>Other information</b>	None noted.

---

## **Section 10: Stability and reactivity**

---

### **10.1 Reactivity**

<b>Reactivity</b>	Reaction with: Strong oxidising agents. Acids.
-------------------	--

### **10.2 Chemical stability**

<b>Stability</b>	Stable under normal temperature conditions and recommended use.
------------------	---

### **10.3 Possibility of hazardous reactions**

<b>Hazardous reactions</b>	Avoid strong oxidizers. Avoid contact with acids.
<b>Hazardous polymerisation</b>	Will not polymerise.
<b>Polymerisation description</b>	Not applicable.

### **10.4 Conditions to Avoid**

<b>Conditions to avoid</b>	Heat, sparks, open flames, temperature extremes and direct sunlight.
----------------------------	--

**10.5 Incompatible materials**

**Materials to avoid** Keep away from acids and oxidants. Do not mix with other chemicals unless listed on directions.

**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** May cause temporary 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** Exposure to liquid product may cause irritation to mouth, throat and esophagus.  
**Skin contact** Prolonged contact with skin may cause irritation.  
**Eye contact** May cause temporary 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** No target organs specified.

**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
2-butoxyethanol	1300.00mg/kg Rat		
ETHANOL	10470.00mg/kg Rat	>2000.00mg/kg Rabbit	51.00mg/l (vapours) Rat 4 Hours
sodium xylenesulphonate	7000.00mg/kg Rat	2000.00mg/kg Rabbit	

**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.

<b>Chronic toxicity - Fish</b>	No information available as testing has not been completed.
<b>Chronic toxicity - Aquatic invertebrates</b>	No information available as testing has not been completed.
<b>Chronic toxicity - Aquatic plants</b>	No information available as testing has not been completed.
<b>Chronic toxicity - Microorganisms</b>	No information available as testing has not been completed.
<b>Ecotoxicity</b>	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.
<b>Eco toxicological information</b>	No ecological toxicity available on the overall finished product.

**12.2 Persistence and degradability**

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

**12.3 Bioaccumulative potential**

<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
<b>Bioaccumulation factor</b>	No information available as testing has not been completed.
<b>Partition coefficient; n-Octanol/Water</b>	Not applicable as the product is a mixture.

**12.4 Mobility in soil**

<b>Mobility</b>	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**

<b>Endocrine disrupting properties</b>	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**

<b>Other adverse effects</b>	None known.
------------------------------	-------------

Name	Acute toxicity (Fish)	Acute toxicity (Aquatic invertebrates)	Acute toxicity (Aquatic plants)
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
ETHANOL	LC50 96 Hours 15300.00mg/l Pimephales promelas (Fat-head Minnow)	EC50 48 Hours 12340.00mg/l Daphnia magna	

**Section 13: Disposal considerations**

<b>Waste management</b>	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
-------------------------	--

**13.1 Waste treatment methods**

<b>Disposal methods</b>	Dispose of waste and residues in accordance with local authority requirements.
-------------------------	--

**Section 14: Transport information****14.1 UN number or ID number**

<b>UN no. (ADR)</b>	Not applicable.
<b>UN no. (IMDG)</b>	Not applicable.
<b>UN no. (IATA)</b>	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.

**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 second issue. [1]Information updated. [2]Information updated. [3]Information updated. [7]Information updated. [8]Information updated. [9]Information updated. [11]Information updated. [12]Information updated. [15]Information updated.  
**Revision date** 10 February 2021  
**Supersedes date** 05 July 2017  
**Revision** 2  
**Safety data sheet status** Approved.



**Hazard statements in full**

<b>H225</b>	Highly flammable liquid and vapour.
<b>H319</b>	Causes serious eye irritation.
<b>H302</b>	Harmful if swallowed.
<b>H312</b>	Harmful in contact with skin.
<b>H315</b>	Causes skin irritation.
<b>H332</b>	Harmful if inhaled.
<b>H318</b>	Causes serious eye damage.
<b>H317</b>	May cause an allergic skin reaction.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
<b>H226</b>	Flammable liquid and vapour.
<b>H335</b>	May cause respiratory irritation.
<b>H361</b>	Suspected of damaging fertility or the unborn child .
<b>H412</b>	Harmful to aquatic life with long lasting effects.
<b>H400</b>	Very toxic to aquatic life.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.
<b>H301</b>	Toxic if swallowed.
<b>H311</b>	Toxic in contact with skin.
<b>H331</b>	Toxic if inhaled.
<b>H413</b>	May cause long lasting harmful effects to aquatic life.
<b>H304</b>	May be fatal if swallowed and enters airways.

**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.