

Product Purple Beer Line Cleaner  
 Revision date 02 April 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>Purple Beer Line Cleaner</b>
<b>Product no.</b>	<b>GRABEER</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>	Any other purpose.

**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
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**Section 2: Hazards identification**

**2.1 Classification of the substance or mixture**

<b>Classification (EC 1272/2008)</b>	
Physical and chemical hazards	Me. Corr 1 - H290
Human health	Skin Corr. 1A - H314
Environment	Not classified

**2.2 Label elements**

<b>Contains</b>	potassium hydroxide sodium hypochlorite
<b>Detergent labeling</b>	<5% chlorine-based bleaching agents <5% Phosphates

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



<b>Signal word</b>	Danger
<b>Hazard statements</b>	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage.
<b>Precautionary statements</b>	<b>Prevention</b>

P260 Do not breathe dust/fume/ gas/mist/vapours/spray.  
 P280 Wear protective gloves/ protective clothing/eye protection/face protection.

**Response**

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER or doctor/physician.

**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	%
potassium hydroxide	CAS-No.: 1310-58-3 EC No.: 215-181-3 REACH Reg No.: 01-2119487136-33-XXXX	Acute Tox 4 - H302, Skin Corr. 1A - H314, Me. Corr 1 - H290	5-10%
sodium hypochlorite	CAS-No.: 7681-52-9 EC No.: 231-668-3 REACH Reg No.: 01-2119488154-34-XXXX	Aquatic Acute 1 - H400, Skin Corr. 1B - H314	1-5%
potassium permanganate	CAS-No.: 7722-64-7 EC No.: 231-760-3	Ox Sol 2- H272, Acute Tox 4 - H302, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	0.1-0.9%

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.  
 Potassium hydroxide: Specific Concentration Limits = H315, Skin Irrit. 2 >= 0.5 - < 2; H319  
 Eye Irrit. 2 >= 0.5 - < 2; H314 Skin Corr. 1B >= 2 - < 5; H314 Skin Corr. 1A >= 5.  
 Sodium hypochlorite: Specific Concentration limits = EUH031 >=5%.

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

<b>General information</b>	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.
<b>Inhalation</b>	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.
<b>Ingestion</b>	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.
<b>Skin contact</b>	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.
<b>Eye contact</b>	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**

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	May cause chemical burns in mouth and throat.
<b>Ingestion</b>	May cause chemical burns in mouth and throat.
<b>Skin contact</b>	Corrosive. Causes severe skin burns.

<b>Eye contact</b>	Causes severe eye damage. Symptoms: Extreme irritation of eyes and mucous membranes, including burning and tearing.
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#### **4.3 Indication of any immediate medical attention and special treatment needed**

<b>Notes to the physician</b>	Treat symptomatically.
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### **Section 5: Firefighting measures**

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#### **5.1 Extinguishing media**

<b>Extinguishing media</b>	Use extinguishing media appropriate for surrounding fire - Dry chemicals, CO <sub>2</sub> , foam, water-spray.
<b>Unsuitable extinguishing media</b>	High volume water jet.

#### **5.2 Special hazards arising from the substance or mixture**

<b>Hazardous combustion products</b>	When heated, toxic and corrosive vapours/gases may be formed. During fire, toxic gases (CO, CO <sub>2</sub> ) are formed.
<b>Unusual fire &amp; explosion hazards</b>	In contact with metals the highly flammable gas hydrogen may be released. Water used for fire fighting may become corrosive in contact with the product.
<b>Specific hazards</b>	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). May cause corrosion damage to metals.

#### **5.3 Advice for firefighters**

<b>Special fire fighting procedures</b>	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.
<b>Protective equipment for firefighters</b>	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.

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### **Section 6: Accidental release measures**

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#### **6.1 Personal precautions, protective equipment and emergency procedures**

<b>For non-emergency personnel</b>	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.
<b>For emergency responders</b>	Follow safe handling advice and personal protective equipment recommendations for normal use of product.

#### **6.2 Environmental precautions**

<b>Environmental precautions</b>	Do not discharge onto the ground or into water courses.
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#### **6.3 Methods and material for containment and cleaning up**

<b>Spill clean up methods</b>	Eliminate all ignition sources. Stop leak if possible without risk. Ventilate and evacuate the area. 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. Use non - metallic tools/containers for clean up.
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#### **6.4 Reference to other sections**

<b>Reference to other sections</b>	See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.
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### **Section 7: Handling and storage**

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**7.1 Precautions for safe handling**

<b>Handling</b>	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. Do not mix with other chemicals.
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**7.2 Conditions for safe storage, including any incompatibilities**

<b>Storage precautions</b>	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.
<b>Storage class</b>	Corrosive storage.

**7.3 Specific end use(s)**

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
<b>Usage description</b>	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
potassium hydroxide	OEL			2 mg/m <sup>3</sup>	
potassium hydroxide	WEL			2 mg/m <sup>3</sup>	

<b>Ingredient comments</b>	Ireland, Occupational Exposure Limits 2020. Workplace Exposure Limits Guidance Note EH40/2005.
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**8.2 Exposure Controls****Protective equipment**

<b>Engineering measures</b>	Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.
<b>Respiratory equipment</b>	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.
<b>Hand protection</b>	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: PVC. Layer thickness: 1.2 mm according to permeation index EN 374: 6. Consult manufacturer for advice. Breakthrough time: >480 minutes. 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.
<b>Eye protection</b>	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).
<b>Other protection</b>	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.
<b>Hygiene measures</b>	Observe normal hygiene standards. Wash promptly if skin becomes contaminated. When

<b>Process conditions</b>	using do not eat, drink or smoke. Wash hands after use. Ensure that eye flushing systems and safety showers are located close by in the work place.
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## Section 9: Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Deep purple. Clear.
<b>Odour</b>	No information available.
<b>Odour threshold - lower</b>	No information available.
<b>Odour threshold - upper</b>	No information available.
<b>pH-Value, Conc. Solution</b>	>13
<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>	Non-Flammable
<b>Evaporation rate</b>	No information available as testing has not been completed.
<b>Flammability state</b>	Not applicable as the product is not flammable.
<b>Flammability limit - lower(%)</b>	Not applicable as the product is not flammable.
<b>Flammability limit - upper(%)</b>	Not applicable as the product is not 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>	1.10 - 1.20 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>	Not applicable as the product is not 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.

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## Section 10: Stability and reactivity

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**10.1 Reactivity**

**Reactivity** In contact with metals generates hydrogen gas, which together with air can form explosive mixtures. Generates toxic gas in contact with acid.

**10.2 Chemical stability**

**Stability** Stable under normal temperature conditions and recommended use.

**10.3 Possibility of hazardous reactions**

**Hazardous reactions** Avoid strong oxidizers. Avoid contact with acids. Corrosive in contact with metals.  
**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 Produces Hydrogen on reaction with some metals. Avoid contact with oxidising substances and 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 severe eye damage.

**Skin corrosion/irritation** The product is 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** May cause chemical burns in mouth and throat.  
**Ingestion** May cause chemical burns in mouth and throat.  
**Skin contact** Corrosive. Causes severe skin burns.  
**Eye contact** Causes severe eye damage. Symptoms: Extreme irritation of eyes and mucous membranes, including burning and tearing.

**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
potassium hydroxide	333.00mg/kg Rat		
sodium hypochlorite	5800.00mg/kg Mouse		

### 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, locally harmful effects are possible due to pH change and corrosive properties.  
 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 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.

## 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. For waste

disposal, use a licensed industrial waste disposal agent.

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## Section 14: Transport information

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### 14.1 UN number or ID number

UN no. (ADR)	UN1760
UN no. (IMDG)	UN1760
UN no. (IATA)	UN1760

### 14.2 UN proper shipping name

ADR proper shipping name	CORROSIVE LIQUID, N.O.S. (potassium hydroxide + Sodium Hypochlorite Solution)
IMDG proper shipping name	CORROSIVE LIQUID, N.O.S. (potassium hydroxide + Sodium Hypochlorite Solution)
IATA proper shipping name	CORROSIVE LIQUID N.O.S. (potassium hydroxide + Sodium Hypochlorite Solution)

### 14.3 Transport hazard class(es)

ADR class	8
IMDG class	8
IATA class	8

Transport labels



### 14.4 Packing group

ADR/RID/ADN packing group	II
IMDG packing group	II
IATA packing group	II

### 14.5 Environmental hazards

ADR	No
IMDG	No
IATA	No

### 14.6 Special precautions for user

EMS	F-A, S-B
Emergency action code	A3 A803
Hazard no. (ADR)	80
Tunnel restriction code	(E)

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

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## Section 15: Regulatory information

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### 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.



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

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**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. [4]Information updated. [7]Information updated. [8]Information updated. [9]Information updated. [11]Information updated. [12]Information updated. [10]Information updated. [15]Information updated.  
**Revision date** 02 April 2021  
**Supersedes date** 07 July 2017  
**Revision** 2  
**Safety data sheet status** Approved.

## Hazard statements in full

**H290** May be corrosive to metals.  
**H302** Harmful if swallowed.  
**H314** Causes severe skin burns and eye damage.  
**EUH031** Contact with acids liberates toxic gas.  
**H400** Very toxic to aquatic life.  
**H319** Causes serious eye irritation.  
**H272** May intensify fire; oxidiser.  
**H410** Very toxic to aquatic life with long lasting effects.

### 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.