



## SAFETY DATA SHEET LOOCLEAN

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

<b>Product name</b>	LOOCLEAN
<b>Product number</b>	BOBK-AL0042-ANG, TAM-G24, TAM-G92-(4N)
<b>Internal identification</b>	2082
<b>Container size</b>	1L

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

<b>Identified uses</b>	Toilet cleaner/descaler. For professional use only.
<b>Uses advised against</b>	Use of this product for cleaning by hand is not recommended. Not for oral consumption. Must not be used where Hypochlorite based chemicals (Bleach) are present.

#### 1.3. Details of the supplier of the safety data sheet

<b>Supplier</b>	UK - Merlin Chemicals Ltd. Unit 5 Passfield Mill Business Park, Liphook, Hampshire, GU30 7RR Tel: +44 (0)1428 751122 email: technical@kersia-group.com EU - Kersia Deutschland GmbH, Marie-Curie-Straße 23 53332 Bornheim - Sechtem
-----------------	---

#### 1.4. Emergency telephone number

<b>Emergency telephone</b>	Emergency Information:- For accidents and spillages involving this product that pose a threat to the environment, or human health, or require immediate first aid advice call:- +44(0) 1865 407333. Note:- This number will not accept order queries or calls dealing with equipment breakdowns. UK Environment Agency 24hour Advisory Service 0800 807060. Irish Environmental Protection Agency 1890 335599 (This is a Lo Call Number)
----------------------------	---

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

<b>Physical hazards</b>	Met. Corr. 1 - H290
<b>Health hazards</b>	Skin Corr. 1B - H314
<b>Environmental hazards</b>	Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

#### 2.2. Label elements

# LOOCLEAN

## Hazard pictograms



## Signal word

Danger

## Hazard statements

H290 May be corrosive to metals.  
 H314 Causes severe skin burns and eye damage.  
 H400 Very toxic to aquatic life.  
 H411 Toxic to aquatic life with long lasting effects.

## Precautionary statements

P234 Keep only in original packaging.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P332+P313 If skin irritation occurs: Get medical advice/ attention.  
 P280 Wear protective clothing, gloves, eye and face protection.  
 P313 Get medical advice/ attention.

## Contains

HYDROCHLORIC ACID, Bis (2-hydroxyethyl) oleylamine

## Detergent labelling

< 5% cationic surfactants, < 5% non-ionic surfactants, Contains d-Limonene

## Supplementary precautionary statements

P404 Store in a closed container.  
 P501 Dispose of contents/ container in accordance with national regulations.

## 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. Note: "H290 May Be Corrosive to Metals" relates to the concentrated product.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>HYDROCHLORIC ACID</b> CAS number: 7647-01-0 EC number: 231-595-7	<b>22-28%</b> REACH registration number: 01-2119484862-27
<b>Classification</b> Met. Corr. 1 - H290 Skin Corr. 1B - H314 STOT SE 3 - H335	
<b>Bis (2-hydroxyethyl) oleylamine</b> CAS number: 25307-17-9 M factor (Acute) = 10 M factor (Chronic) = 1	<b>1 &lt;4%</b>
<b>Classification</b> Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

The full text for all hazard statements is displayed in Section 16.

## LOOCLEAN

**Composition comments** To the best of our knowledge, all of the substances used in this product are being supported for the relevant application in REACH.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	When it is safe to do so, remove victim immediately from source of exposure. However, consideration should be given as to whether moving the victim will cause further injury. For immediate First Aid advice in the UK, dial 111.
<b>Inhalation</b>	Remove affected person from source of contamination. Provide rest, warmth and fresh air. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly. Place unconscious person on their side in the recovery position and ensure breathing can take place. Get medical attention.
<b>Skin contact</b>	Remove contaminated clothing that is not stuck to the skin. Flush area with clean water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes and get medical attention.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>General information</b>	Neat product may cause chemical burns and permanent eye damage. Dilute product may cause irritation to the skin and eyes.
<b>Inhalation</b>	This product is corrosive. Inhalation of neat product is unlikely. However, inhalation of vapours from hot surfaces, or sprayed droplets may result in severe burns to the mouth, nose, GI tract and airways. If mixed with Hypochlorite based products (Bleach) Chlorine Gas may be evolved, this can result in irritation to eyes and difficulty in breathing. If inhaled this may result in irritation to the mouth, nose and respiratory tract.
<b>Ingestion</b>	Unlikely route of exposure without deliberate abuse. If neat chemical is ingested, chemical burning of mouth, throat and GI tract will occur. If dilute chemical is ingested, soreness of mouth, throat and GI tract may occur together with redness and blistering.
<b>Skin contact</b>	Causes severe burns.
<b>Eye contact</b>	May cause chemical eye burns. May result in permanent eye damage.

#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Rinse well with water to neutral pH. If mixed with bleach will produce Chlorine Gas, check for respiratory disorders.
-----------------------------	---

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	This product will not support combustion and is not flammable. Use an extinguishing media suitable for surrounding materials.
-------------------------------------	---

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

<b>Specific hazards</b>	This product is non combustible, on heating corrosive vapours may be formed. Contact with Sodium Hypochlorite or products containing Sodium Hypochlorite will liberate Chlorine Gas.
-------------------------	--

#### 5.3. Advice for firefighters

## LOOCLEAN

**Protective actions during firefighting** Protective clothing and respiratory protection should be worn when tackling fires involving this product. Control run-off water by containing and keeping it out of sewers and watercourses.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.2. Environmental precautions

**Environmental precautions** Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Stop leak if possible without risk. Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Neutralise small amounts with sodium bicarbonate or lime and flush to sewer with large amounts of water.

#### 6.4. Reference to other sections

**Reference to other sections** See sections 8, 12 & 13

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Refer to section 8.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep container tightly closed. Keep away from chlorinated and alkaline products. Store below 40°C.

#### 7.3. Specific end use(s)

**Specific end use(s)** Toilet cleaner and descaler. Refer to use instructions.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### HYDROCHLORIC ACID

Long-term exposure limit (8-hour TWA): WEL 1 ppm 2 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 5 ppm 8 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

## LOOCLEAN

### Ingredient comments

Where an exposure level is quoted, a risk assessment should consider if there is a need to monitor the atmosphere of the working environment. Results should be compared against the WEL and/or DNEL information provided. The Long Term WEL refers to total exposure of a worker to a specific substance averaged out over an 8 hour period.

The Short Term WEL refers to a single exposure of a worker to a specific substance over a 15 minute period.

If the Short Term WEL is exceeded and no Long Term Limit is set, further exposure during the working shift is not permitted. Further controls should be implemented to ensure that future exposure to the substance is reduced below the levels set before the activity is repeated/continued. Where no Short Term WEL exists, guidance from the HSE is to use a value of three times the Long Term WEL.

The WEL limits are laid down in the EH40 list as supplied by the HSE. Where a worker is exposed to levels approaching a limit, further exposure control measures should be considered to reduce exposure to the substance. DNEL and/or PNEC information is supplied by manufacturers of substances in accordance with REACH legislation (Regulation (EC) No 1907/2006), and is used to provide suitable risk reduction measures to limit exposure of the user of the substance to a non hazardous level. If the measured level of exposure by a route divided by the DNEL for the route is greater than 1, then further exposure controls should be implemented as described in section 8.2. Where new information becomes available under REACH, this will be passed on as revisions to the Safety Data Sheet.

### HYDROCHLORIC ACID (CAS: 7647-01-0)

#### DNEL

Workers - Inhalation; Acute local effects: 15 mg/m<sup>3</sup>

Workers - Inhalation; Long term local effects: 8 mg/m<sup>3</sup>

#### PNEC

- Fresh water; 36 µg/l

- marine water; 36 µg/l

- Intermittent release; 45 µg/l

- STP; 36 µg/l

### 8.2. Exposure controls

#### Protective equipment



#### Personal protection

The PPE indicated above is not a COSHH assessment. It represents PPE that should be considered during the manufacture, distribution, use and final disposal stages of this product's life cycle. It is the responsibility of employers to conduct a COSHH/risk assessment to determine appropriate PPE levels. The information given below should be used to support this assessment. Where possible replace manual processes with automated or closed processes to minimise contact with the product.

#### Eye/face protection

Wear approved, tight fitting safety glasses where splashing is probable. Refer to EN Standard 166 to select appropriate level of protection.

#### Hand protection

Impervious Chemical Resistant Gloves of Butyl Rubber, PVC, Polychloroprene with a natural latex liner, all with a minimum material thickness 0.5mm and a breakthrough time of >480mins. Alternatively Nitrile Rubber, Fluorinated Rubber, both with a minimum thickness of 0.35 - 0.4mm and a breakthrough time of >480minutes. Refer to Standard EN 374 and EN 16523

#### Other skin and body protection

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible. Reference to EN 13832 and EN 943 is useful when selecting footwear and clothing.

## LOOCLEAN

<b>Hygiene measures</b>	Promptly remove non-impervious clothing that has become contaminated, provided it is not adhered to the skin. Contaminated clothing and shoes must be discarded. Provide eyewash station and safety shower.
<b>Respiratory protection</b>	No specific recommendation made, but respiratory protection must be used if the general level exceeds the Workplace Exposure Limit.
<b>Environmental exposure controls</b>	Do not allow the substance to contaminate surface water/ground water. See points 6, 12 & 13.
<b>General Health and Safety Measures.</b>	A full Risk Assessment should be carried out before handling any chemical(s). Risk Assessments should refer to COSHH, and any other relevant legislation or industry specific guidelines governing the use of chemicals.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Orange.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	Not applicable.
<b>pH</b>	pH (concentrated solution): 0 - 2
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Evaporation factor</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Vapour pressure</b>	Not applicable.
<b>Vapour density</b>	Not applicable.
<b>Relative density</b>	1.04 - 1.05
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition Temperature</b>	Not applicable.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	Not applicable.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

## LOOCLEAN

### 9.2. Other information

<b>Refractive index</b>	Not applicable.
<b>Particle size</b>	Not applicable.
<b>Molecular weight</b>	Not applicable.
<b>Volatility</b>	Not applicable.
<b>Saturation concentration</b>	Not applicable.
<b>Critical temperature</b>	Not applicable.
<b>Volatile organic compound</b>	Not applicable.
<b>Explosive Properties</b>	Not Classified as Explosive
<b>Storage Temperature Range</b>	0 - 40°C

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	Stable under normal temperature conditions and recommended use. Avoid contact with caustic/alkaline material; this will generate heat and potentially corrosive vapour. Avoid contact with bleach and other hypochlorite based products; this will produce toxic Chlorine gas.
-------------------	--

#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. - See note 10.6.
------------------	--

#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Refer to section 10.1. Reacts with alkalis and generates heat. Do not mix with Hypochlorite based chemicals, this will result in the generation of toxic chlorine gas.
---	--

#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid excessive heat for prolonged periods of time.
----------------------------	---

#### 10.5. Incompatible materials

<b>Materials to avoid</b>	Alkalis. Bleach. Contact with some metals can liberate highly flammable hydrogen gas which may form explosive mixtures with air. Note:- Comment refers to neat product.
---------------------------	---

#### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	No specific hazardous decomposition products noted. - See section 10.5.
---	---

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

<b>ATE oral (mg/kg)</b>	13,888.89
-------------------------	-----------

##### **General information**

Toxic effect linked with corrosive properties. See section 4.2.

##### **Inhalation**

Inhalation of sprayed droplets or vapours from hot surfaces may result in severe burns to the mouth, nose, GI tract and airways. - See section 4.2.

##### **Ingestion**

Causes severe burns. May cause chemical burns in mouth, oesophagus and stomach.

##### **Skin contact**

Causes severe burns.

## LOOCLEAN

**Eye contact** Risk of serious damage to eyes. May cause permanent eye injury.

### SECTION 12: Ecological information

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

#### 12.1. Toxicity

##### Acute aquatic toxicity

**Acute toxicity - fish** Normal use of the diluted product is not expected to pose any risk.  
See note 12.0

#### 12.2. Persistence and degradability

**Persistence and degradability** The surfactant(s) used in this preparation complies (comply) with the biodegradability criteria as laid down in the European Detergents Regulation No 648/2004 as amended.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Not expected to bioaccumulate.

**Partition coefficient** Not applicable.

#### 12.4. Mobility in soil

**Mobility** The product contains substances which are water-soluble and may spread in water systems.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects** Not determined.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** When handling waste, the safety precautions applying to handling of the product should be considered. Do not mix with other chemicals. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

### SECTION 14: Transport information

#### 14.1. UN number

**UN No. (ADR/RID)** 1760

**UN No. (IMDG)** 1760

**UN No. (ICAO)** 1760

**UN No. (ADN)** 1760

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** CORROSIVE LIQUID, N.O.S. (CONTAINS HYDROCHLORIC ACID, Bis (2-hydroxyethyl) oleylamine)

**Proper shipping name (IMDG)** CORROSIVE LIQUID, N.O.S. (CONTAINS HYDROCHLORIC ACID, Bis (2-hydroxyethyl) oleylamine)

**Proper shipping name (ICAO)** CORROSIVE LIQUID, N.O.S. (CONTAINS HYDROCHLORIC ACID, Bis (2-hydroxyethyl) oleylamine)



## LOOCLEAN

**Proper shipping name (ADN)** CORROSIVE LIQUID, N.O.S. (CONTAINS HYDROCHLORIC ACID, Bis (2-hydroxyethyl) oleylamine)

### 14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C9
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

### Transport labels



### 14.4. Packing group

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

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

EmS	F-A, S-B
ADR transport category	2
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**National regulations** UK Adoption and Implementation of the UN Globally Harmonised System (GHS) on Classification and Labelling of Chemicals (GB CLP) and considers UK National REACH legislation.

# LOOCLEAN

**EU legislation** European Regulation (EC) No 1272/2008 (as amended) on Classification, Labelling and Packaging of Substances and Mixtures.  
Also considered is the REACH Regulation (EC) No.1907/2006 (as amended).

## 15.2. Chemical safety assessment

### Pcs Information

#### SECTION 16: Other information

**Abbreviations and acronyms used in the safety data sheet** (EC) No. 1272/2008 : EU Regulation on Classification, Labelling and Packaging of Substances and Mixtures.  
COSHH - Control of Substances Hazardous to Health.  
DNEL - Derived No Effect Limit.  
Industry - Refers in section 8 to application of the substance in an industrial process.  
NPIS - National Poisons Information Service.  
PBT - Persistent, Bioaccumulative & Toxic.  
Professional - Refers in section 8 to application/use of the preparation/product in a skilled trade premises.  
REACH - Registration, Evaluation, Authorisation & restriction of CHemicals (Regulation EC 1907/2006).  
vPvB - Very Persistent, Very bioaccumulative.

**General information** Only trained personnel should use this material. This document is a Safety Data Sheet, NOT a CoSHH assessment. It is the customer's responsibility to conduct a full CoSHH assessment, taking into account the information held within this document along with other local factors considered in a risk assessment. The Risk and Hazard statements listed below are the full text of abbreviations used in this document. They are not the final classification, for this refer to section 2.

**Revision comments** Amendment to the emergency phone number in Section 1.4.

**Revision date** 11/11/2021

**SDS number** 24069

**Hazard statements in full** H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.

**REACH extended MSDS comments** REACH requires that persons handling chemicals should take the necessary risk management measures, in accordance with assessments from manufacturers and importers of chemical substances. The relevant recommendations must be passed along the supply chain. These assessments are generally reported in Exposure Scenarios.  
Where Exposure Scenarios have been provided for substances used in this product, the relevant information is incorporated into the safety data sheet.

#### END OF SAFETY DATA SHEET

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.