

# Kanco SystemSafe KS3 Central Heating CLEANER Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 10/04/2025 Version: 1.0

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

### **1.1. Product identifier**

Product form Product name	: Mixture : SystemSafe KS3 Central Heating CLEANER : Solution
Type of product Product group Other means of identification	: Solution : Trade product : 500ml - Product Code: BPC006 EAN13: 5060134591848
	10L - Product Code: BPC008 EAN13: 5060134591862

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

#### **Relevant identified uses**

Intended for general public	
Main use category	: Professional use,Consumer use
Industrial/Professional use spec	: Used in closed systems
Use of the substance/mixture	: Cleaning/washing agents and additives
Uses advised against	

Restrictions on use

: Not suitable for use in PRIMATIC single feed cylinders

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

### Supplier

Kamco AL2 2DD St Albans T 01727 875020 info@kamco.co.uk, www.kamco.co.uk

#### 1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

### **SECTION 2: Hazards identification**

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

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements	
Labelling according to Regulation (EC) N	lo. 1272/2008 [CLP]
Precautionary statements (CLP)	<ul> <li>P102 - Keep out of reach of children.</li> <li>P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.</li> </ul>
EUH-statements	: EUH210 - Safety data sheet available on request.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

The mixture contains substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

Component	
Substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605	benzotriazole (95-14-7)

# SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
MPG (propane-1,2-diol)	CAS-No.: 57-55-6 EC-No.: 200-338-0 REACH-no: 01-2119456809- 23, UK-01-6702687939-4	5 – 9	Not classified
benzotriazole	CAS-No.: 95-14-7 EC-No.: 202-394-1 REACH-no: 01-2119979079- 20	< 1.2	Aquatic Chronic 3, H412

Full text of H- and EUH-statements: see section 16

# SECTION 4: First aid measures

4.1. Description of first aid measures	
First-aid measures general	: If you feel unwell, seek medical advice. If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effects	s, both acute and delayed
Symptoms/effects Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	<ul> <li>Not expected to present a significant hazard under anticipated conditions of normal use.</li> <li>Inhalation may cause irritation (cough, short breathing, difficulty in breathing).</li> <li>Contact during a long period may cause light irritation.</li> <li>May cause eye irritation.</li> <li>Ingestion may cause nausea and vomiting.</li> </ul>

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

Treat symptomatically.

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Special hazards arising from the subs	tance or mixture
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures		
6.1. Personal precautions, protect	tive equipment and emergency procedures	
For non-emergency personnel		
Protective equipment	: Wear recommended personal protective equipment.	
Emergency procedures	: Ventilate spillage area.	
For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
Emergency procedures	: Cover spill with non combustible material, e.g.: sand/earth.	
6.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for cont	tainment and cleaning up	
Methods for cleaning up Other information	<ul><li>Take up liquid spill into absorbent material.</li><li>Dispose of materials or solid residues at an authorized site.</li></ul>	
6.4. Reference to other sections		

For further information refer to section 13.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	<ul> <li>Ensure good ventilation of the work station. Wear personal protective equipment.</li> <li>Do not eat, drink or smoke when using this product. Always wash hands after handling the product.</li> </ul>
7.2. Conditions for safe storage, including	any incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s)	
No additional information available	

# SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

National occupational exposure and biological limit values

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

MPG (propane-1,2-diol) (57-55-6)			
United Kingdom - Occupational Exposure Limits	United Kingdom - Occupational Exposure Limits		
Local name	Propane-1,2-diol		
WEL TWA (OEL TWA)	10 mg/m³ particulates 474 mg/m³ total vapour and particulates		
	150 ppm total vapour and particulates		
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE		
DNEL and PNEC			
MPG (propane-1,2-diol) (57-55-6)			
DNEL/DMEL (Workers)			
Long-term - systemic effects, inhalation	168 mg/m³		
Long-term - local effects, inhalation	10 mg/m <sup>3</sup>		
DNEL/DMEL (General population)	·		
Long-term - systemic effects, inhalation	50 mg/m³		
Long-term - local effects, inhalation	10 mg/m³		
PNEC (Water)			
PNEC aqua (freshwater)	260 mg/l		
PNEC aqua (marine water)	26 mg/l		
PNEC aqua (intermittent, freshwater)	183 mg/l		
PNEC (Sediment)			
PNEC sediment (freshwater)	572 mg/kg dwt		
PNEC sediment (marine water)	57.2 mg/kg dwt		
PNEC (Soil)			
PNEC soil	50 mg/kg dwt		
PNEC (STP)			
PNEC sewage treatment plant	20000 mg/l		
benzotriazole (95-14-7)			
DNEL/DMEL (Workers)			
Long-term - systemic effects, dermal	0.24 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	4.2 mg/m <sup>3</sup>		
DNEL/DMEL (General population)			
Acute - systemic effects, oral	0.12 mg/kg bodyweight/day		
Long-term - systemic effects,oral	0.12 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	2.1 mg/m <sup>3</sup>		
Long-term - systemic effects, dermal	0.12 mg/kg bodyweight/day		
PNEC (Water)			
PNEC aqua (freshwater)	0.0194 mg/l		
PNEC aqua (marine water)	0.0194 mg/l		
PNEC aqua (intermittent, freshwater)	0.158 mg/l		

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

benzotriazole (95-14-7)		
PNEC (Sediment)		
PNEC sediment (freshwater)	0.2204 mg/kg dwt	
PNEC sediment (marine water)	0.2204 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0.03 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	0.1 mg/l	

# 8.2. Exposure controls

#### Appropriate engineering controls

Appropriate engineering controls: Ensure good ventilation of the work station.

#### **Personal protection equipment**

#### Personal protective equipment symbol(s):



#### Eye and face protection

**Eye protection:** Safety glasses (EN 166). Safety glasses

#### **Skin protection**

**Skin and body protection:** Wear suitable protective clothing

#### Hand protection:

Protective gloves against chemicals (EN 374)

#### **Respiratory protection**

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment

#### **Environmental exposure controls**

#### Environmental exposure controls:

Avoid release to the environment.

# **SECTION 9: Physical and chemical properties**

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

Physical state	: Liquid
Colour	: amber.
Appearance	: Liquid.
Odour	: slight.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Decomposition temperature pH Viscosity, kinematic Solubility Partition coefficient n-octanol/water (Log Kow) Vapour pressure Vapour pressure at 50°C Density Relative density Relative vapour density at 20°C Particle characteristics	<ul> <li>Not available</li> <li>6 - 8</li> <li>Not available</li> <li>Soluble in water.</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> <li>a 1.04</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> </ul>
Particle characteristics	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity	

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability** 

Stable under normal conditions.

**10.3. Possibility of hazardous reactions** 

No dangerous reactions known under normal conditions of use.

**10.4. Conditions to avoid** 

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

**10.6. Hazardous decomposition products** 

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# **SECTION 11: Toxicological information**

11.1. Information on hazard classes as defined	d in Regulation (EC) No 1272/2008
Acute toxicity (dermal)	Not classified Not classified Not classified
MPG (propane-1,2-diol) (57-55-6)	
LD50 oral rat	22000 mg/kg bodyweight Animal: rat
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit
LC50 Inhalation - Rat	> 44.9 mg/l air Animal: rat, Guideline: other:
benzotriazole (95-14-7)	
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
	Not classified pH: 6 – 8
Serious eye damage/irritation :	Not classified pH: 6 – 8

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified
STOT-repeated exposure	:	Not classified
MPG (propane-1,2-diol) (57-55-6)		
NOAEL (subchronic, oral, animal/male, 90 days)		443 mg/kg bodyweight Animal: cat, Animal sex: male
Aspiration hazard	:	Not classified
11.2. Information on other hazards		
Endocrine disrupting properties		
Component		
benzotriazole (95-14-7)		The substance is identified for having endocrine disrupting properties but there is no

additional data available (see section 2.3)

e not considered harmful to aquatic organisms nor to cause long-term adverse environment. est organisms (species): Oncorhynchus mykiss (previous name: Salmo est organisms (species): Pimephales promelas est organisms (species): Raphidocelis subcapitata (previous names:
environment. est organisms (species): Oncorhynchus mykiss (previous name: Salmo est organisms (species): Pimephales promelas
est organisms (species): Pimephales promelas
est organisms (species): Pimephales promelas
est organisms (species): Ranhidocelis subcanitata (previous names
neriella subcapitata, Selenastrum capricornutum)
est organisms (species): Skeletonema costatum
est organisms (species): Raphidocelis subcapitata (previous names: neriella subcapitata, Selenastrum capricornutum)
est organisms (species): Skeletonema costatum
organisms (species): Cyprinodon variegatus
t organisms (species): Danio rerio (previous name: Brachydanio rerio)
t organisms (species): Daphnia magna
organisms (species): Pseudokirchneriella subcapitata (previous names: subcapitata, Selenastrum capricornutum)
ŝ

SystemSafe KS3 Central Heating CLEANER	
Persistence and degradability	Not rapidly degradable

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

MPG (propane-1,2-diol) (57-55-6)	
Persistence and degradability	Not rapidly degradable
benzotriazole (95-14-7)	
Persistence and degradability	Not rapidly degradable
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Endocrine disrupting properties	
Component	
benzotriazole (95-14-7)	The substance is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3)
12.7. Other adverse effects	
No additional information available	

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Waste treatment methods Product/Packaging disposal recommendations	<ul><li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li><li>Clean with water.</li></ul>

# **SECTION 14: Transport information**

ADR	IMDG	ΙΑΤΑ	ADN	RID
ADK	IMDG	IATA	ADN	ND
14.1. UN number or ID r	number			
Not applicable	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shippin	ig name		·	
Not applicable	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard	class(es)		'	
Not applicable	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not applicable	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental ha	zards		·	
Not applicable	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information	on available	I I		

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 14.6. Special precautions for user

#### Overland transport

Not applicable

Transport by sea Not regulated

Air transport Not regulated

Inland waterway transport Not regulated

# Rail transport

Not regulated

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-Regulations**

#### **REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

#### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

#### **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

#### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

#### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### **SECTION 16: Other information**

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	Abbreviations and acr	onyms:
	ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Abbreviations and acronyms:		
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
РВТ	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disruptor	

Full text of H- and EUH-statements:	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
H412	Harmful to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Safety Data Sheet (SDS), EU

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable