

**SUMMER C-DIP ADVANCE**  
Code: 076X0

Safety Data Sheet compliant with Regulation (EU) 2020/878

Version **7.0.0**  
Creation date : **11/05/22**  
Revision: **21/11/22**  
Print Date : 21/11/22

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

1.1. Product identifier

Trade name	SUMMER C-DIP ADVANCE
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the product	ACID LIQUID POST MILKING CHLORHEXIDINE TEAT DISINFECTANT WITH EUCALYPTUS
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1.3. Details of the supplier of the safety data sheet

Company identification	Kilco (International) Ltd Broomhouses 2 Industrial Estate Old Glasgow Road Lockerbie United Kingdom DG11 2SD +44 (0) 1576 205480
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1.4. Emergency telephone number

Emergency phone number	Emergency direct number ( 24 hours a day, 7 days a week ) : +65 3165 2217 (Asian area, Pacific area) +44 1273 289451 (European area) +1 215 207 0061 (Americas area) +44 1235 239671 (Middle eastern countries and African area)
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**SECTION 2: HAZARDS IDENTIFICATION**

2.1. Classification of the substance or mixture

The mixture meets the classification criteria provided for under Regulation (EC) No 1272/2008.

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Eye irritation - Category 2

H319: Causes serious eye irritation.

Hazardous to the aquatic environment – Chronic  
- Category 3

H412: Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

Labelling according to 1272/2008/EC Regulation:

Hazard pictograms(s) :



Signal word :  
Warning

Hazard statement(s) :

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

Precautionary statement(s) :

P264: Wash with water and soap thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear protective gloves/eye protection.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/attention.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

## 2.3. Other hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

The mixture does not contain substance 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. in concentration greater than 0.1%.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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#### 3.1. Substances

Not applicable as this involves a mixture.

#### 3.2. Mixtures

Chemical nature of the mixture : ACID LIQUID

Substance(s)	CAS number(s)	EINECS number(s)	index	No registration REACH	Classification according to Regulation (EC) 1272/2008	SCL M-factor ATE	Type
1% <= Alcohols C9-11, ethoxylated < 5%	68439-46-3				Acute Tox. 4 (oral) H302 Eye Dam. 1 H318		(1)
0.1% <= Chlorhexidine gluconate < 1%	18472-51-0	242-354-0		Biocidal active substance, regarded as already registered	Eye Dam. 1 H318 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	M Factor (Acute) 10 M Factor (Chronic) 1	(1)

#### Type

- (1) : Substance classified as hazardous for health and/or the environment
- (2) : Substance with an exposure limit at the work station.
- Substance of very high concern candidate for the authorisation procedure:
- (3) : Substance considered as PBT (persistent, bioaccumulable, toxic)
- (4) : Substance considered as vPvB (very persistent, very bioaccumulable)
- (5) : Substance considered as carcinogenic category 1A
- (6) : Substance considered as carcinogenic category 1B
- (7) : Substance considered as mutagenic category 1A
- (8) : Substance considered as mutagenic category 1B
- (9) : Substance considered as reprotoxic category 1A
- (10) : Substance considered as reprotoxic category 1B
- (11) : Substance considered as endocrine disrupter
- (12) : Other substance considered hazardous to health or the environment
- (N) : Nanomaterial

Full text of H- and EUH- phrases : see section 16.

## SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

##### General indications:

Take the contaminated clothes and shoes off immediately. Wash them before wearing them again.  
In case of faintness , get medical advice/attention. Show this safety data sheet to the doctor.

##### In the event of inhalation :

Bring to fresh air.

##### In the event of contact with the skin :

Wash with water.

##### In the event of contact with the eyes :

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Rinse at once with a soft stream of water for at least 15 minutes, eyes wide open.  
Remove contact lenses if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

In the event of ingestion :

Rinse mouth.  
Do NOT induce vomiting.  
Get medical advice.

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

Skin contact : SUMMER C-DIP ADVANCE is not regarded as a mix which is irritating to the skin.

Eye contact : Causes serious eye irritation.

Ingestion : May cause digestive troubles.

Inhalation : Not considered as hazardous through inhalation under normal conditions of use.

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

Treatments : Symptomatic treatment

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media :  
Agents compatible with other products involved into fire.

Unsuitable extinguishing media :  
None from our knowledge.

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

SUMMER C-DIP ADVANCE is non-flammable.  
In case of fire risk of formation of dangerous vapours.

### 5.3. Advice for firefighters

Wear independent respiratory equipment and protective suit.  
Collect contaminated firefighting water separately, must not be discharged into the drains.  
Keep containers cool by spraying with water if exposed to fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

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#### 6.1.1. For non-emergency personnel :

Evacuate non-essential staff and those not equipped with individual protection apparatus.

#### 6.1.2. For emergency responders :

Evacuate the personnel to a safe location.

Keep people upwind and away from the location of the flow/leak.

Use personal protection equipment.

#### 6.2. Environmental precautions

Do not discharge the product directly to sewer or to environment.

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

Small spillage :

Absorb with an inert, non-combustible absorbent material, such as sand, earth, vermiculite or diatomaceous earth.

Large spillage :

Never return spills in original containers for re-use.

Keep in suitable, properly labelled and closed containers for disposal.

Mark out, soak up with an inert absorbant and pump in an emergency tank.

#### 6.4. Reference to other sections

Respect protective measures presented at heading 8.

Refer to section 13 for the elimination.

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Wash the hands and any other zone exposed with a soft soap and water, before eating, drinking, smoking, and before leaving work.

Do not eat, drink or smoke in work area. Avoid projections during use.

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

##### 7.2.1. Storage :

Keep only in the original container.

Keep protected from frost.

Keep container closed.

##### 7.2.2. Packaging or wrapping materials :

High density polyethylene recommended.

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

SUMMER C-DIP ADVANCE is for use as a biocide.

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

Exposure limit values :

Substance	CAS number	Country	Type	Value	Unit	Comments	source
Glycerol	56-81-5	FRA	VLEP 8h	10	mg/m <sup>3</sup>	Aérosol de glycérol Valeur limite indicative	International limit values for chemical agents
			EMV (Exposure medium value) : 8h	10	mg/m <sup>3</sup>		INRS
			EMV (Exposure medium value) :	10	mg/m <sup>3</sup>		MSDS supplier
		BEL	OEL 8h	10	mg/m <sup>3</sup>		International limit values for chemical agents
		CHE	OEL Short term	100 inhalable aeroso	mg/m <sup>3</sup>		International limit values for chemical agents
			OEL 8h	50 inhalable aerosol	mg/m <sup>3</sup>		International limit values for chemical agents
		DEU	MAK	50	mg/m <sup>3</sup>		
			OEL Short term	100 inhalable aeroso	mg/m <sup>3</sup>	STV 15 minuten Durchschnittswert	International limit values for chemical agents (German Research Foundation)
			OEL 8h	50 inhalable aerosol	mg/m <sup>3</sup>		International limit values for chemical agents (German Research Foundation)
		ESP	OEL 8h	10	mg/m <sup>3</sup>		International limit values for chemical agents
		GBR	OEL 8h	10	mg/m <sup>3</sup>		International limit values for chemical agents
		POL	NDS 8h	10	mg/m <sup>3</sup>		International limit values for chemical agents

#### 8.2. Exposure controls

According to the requirements of Directive 98/24 /EC, the employer is required to conduct a risk assessment and implement appropriate risks management measures.

\* For any situation where the absence of risk is not proven, he must consider the substitution or reduction of risk by improving in priority processes used and collective protection measures. The effectiveness of the solutions implemented will be checked by measurement in comparison to the statutory limit values for substances defined in Section 8.1.

\* If the risk remains after these corrective actions, he must always check by routinely measuring compliance with regulatory OEL if they exist in section 8.1 and apply all the individual protective measures given in section 8.2.

\* When formalized risk assessment indicates a low risk to workers' health, control of compliance with regulatory OEL may not be considered and all individual protection measures is not always mandatory.

##### 8.2.1. Appropriate engineering controls :

Ensure adequate ventilation.

Apply the necessary technical measures to comply with the professional exposure limit values.

##### 8.2.2. Individual protection measures, such as personal protective equipment :

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#### Eye/face protection :

Wear safety goggles compliant with standard EN 166.



#### Hand protection :

No special protection measure is required.

#### Skin protection :

No special protection measure is required.

#### Respiratory protection :

No special protection measure is required.

#### Thermal hazards :

Not applicable

#### Health measures :

Safety shower and eye wash fountain near to workplace.

After using, wash systematically all personal protective equipment.

#### 8.2.3. Environmental exposure controls :

Do not discharge the product directly to sewer or to environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Liquid
Colour	Pink
Odour	Not available
Odour threshold	Not available
Freezing point	Not available
Melting point	Not applicable
Boiling point	Not available
Flammability	Not applicable
Lower explosive limit	Not applicable
upper explosive limit	Not applicable
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available

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pH value at 10g/l	Not applicable
Pure pH	5.5±1.5
kinematic viscosity	Not available
Solubility in water	No data
Partition coefficient: n-octanol/water	Not available
Vapour pressure	Not available
Relative density	1.032,5±0.007,5
Mass density	1.032,5±0.007,5 g/cm <sup>3</sup>
Vapour density	Not available
Particle characteristics	Not applicable

#### 9.2. Other information

Explosive properties	Not applicable
Oxidising properties	Not applicable
Evaporation rate:	Not available

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

None under normal conditions of use.

#### 10.2. Chemical stability

Stable in the recommended storage and handling conditions.

#### 10.3. Possibility of hazardous reactions

None to our knowledge.

#### 10.4. Conditions to avoid

High temperatures.

#### 10.5. Incompatible materials

Strong acids.  
Strong basis

#### 10.6. Hazardous decomposition products

None to our knowledge in standard conditions of use.

These data are given for the concentrated mixture. The use of the mixture under its diluted form must be performed in conformity with data given by the technical data sheet and the technical adviser.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on hazard classes as defined in Regulation (EC) N°1272/2008

Substance-related data:



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#### Acute toxicity

Chlorhexidine gluconate ( 18,87% ) : LD 50 - oral rat > 2,000 mg/kg. - MSDS supplier

Alcohols C9-11, ethoxylated ( 100% ) : LD 50 - oral rat < 2,000 mg/kg. - MSDS supplier

#### Serious damage to eyes/eye irritation

Chlorhexidine gluconate ( 18,87 % ) : Eye contact : . Risk of serious damage of eyes - MSDS supplier

Alcohols C9-11, ethoxylated : Serious damage to eyes/eye irritation . Serious damage to eyes - MSDS supplier

#### Mix-related data:

##### Acute toxicity

. Not determined

##### Skin corrosion/irritation

. The mix is not considered to be corrosive or irritating for the skin under the criteria of Regulation 1272/2008/EC.

##### Serious damage to eyes/eye irritation

Eye irritation . Causes serious eye irritation according to the criteria of the 1272/2008/EC.

##### Respiratory / skin sensitisation

Skin sensitisation . The mixture is not considered as a skin sensitizer according to 1272/2008/EC Regulation.

Respiratory sensitisation . The mixture is not considered as a respiratory sensitizer according to 1272/2008/EC Regulation.

##### Mutagenicity

. The classification criteria are not met given the available data.

##### Carcinogenicity

. The classification criteria are not met given the available data.

##### Reproductive toxicity

. The classification criteria are not met given the available data.

##### Specific target organ toxicity - single exposure

. The classification criteria are not met given the available data.

##### Specific target organ toxicity - repeated exposure

. The classification criteria are not met given the available data.

##### Aspiration hazard

. The classification criteria are not met given the available data.

#### Most important symptoms and effects, both acute and delayed :

Skin contact : SUMMER C-DIP ADVANCE is not regarded as a mix which is irritating to the skin.

Eye contact : Causes serious eye irritation.

Ingestion : May cause digestive troubles.

Inhalation : Not considered as hazardous through inhalation under normal conditions of use.

#### 11.2. Information on other hazards

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#### 11.2.1. Endocrine disrupting properties

Not concerned

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. à 12.4. Toxicity - Persistence and degradability - Bioaccumulative potential - Mobility in soil

#### Substance-related data:

##### Acute toxicity

Chlorhexidine gluconate : LC 50 fishes 2.08 mg/L. - MSDS supplier

Chlorhexidine gluconate : EC 50 daphnia (Daphnia magna) 0.087 mg/L. - MSDS supplier

Chlorhexidine gluconate : EC 50 algae 0.081 mg/L. - MSDS supplier

##### Chronic toxicity

Chlorhexidine gluconate : NOEC daphnia 0.02 mg/L. - MSDS supplier

##### Degradability

Chlorhexidine gluconate ( 18,87% ) : . Difficult to biodegrade - MSDS supplier

##### Bioaccumulation

Chlorhexidine gluconate : Log Koc > 3.9 . - MSDS supplier

#### Mix-related data :

##### Acute toxicity

fishes . Not determined

daphnia . Not determined

algae . Not determined

##### Chronic toxicity

. No data available.

##### Degradability

. No data available.

##### Bioaccumulation

. No data available.

##### Mobility

. No data available.

#### Conclusion :

The mixture is considered to be dangerous for the environment according to 1272/2008/EC Regulation.

### 12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

### 12.6 Endocrine disrupting properties

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Not concerned

#### 12.7. Other adverse effects

No additional information available.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

Treatment of the mixture :

Do not discharge the product directly to sewer or to environment.

Comply with Directive 2008/98/EC of 19/11/2008 amended, relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2014/955/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

Packaging treatment :

Rinse thoroughly the packaging with water and treat the effluent like wastes.

Comply with Directive 2008/98/EC of 19/11/2008 amended, relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2014/955/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

### SECTION 14: TRANSPORT INFORMATION

ROAD TRANSPORT: Rail/Route (RID/ADR)

14.1 UN no :

14.2 UN proper shipping name :

Not concerned

14.3 Transport hazard class(es) :

14.4 Packing group :

Hazard identification number :

Label :

Tunnel code : (-)

14.5 Environmental hazard : No

14.6 Special precautions for user : No information.

Limited Quantity (QL):

MARITIME TRANSPORT : IMDG

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14.1 UN no :

14.2 UN proper shipping name : Not concerned

14.3 Transport hazard class(es) :

14.4 Packing group :

14.5 Environmental hazard

Marine pollutant : No

14.6 Special precautions for user : No information.

EmS number :

Comply with the provisions of the IMDG on the physical separation of materials.

Limited Quantity (QL):

14.7 Maritime transport in bulk according to IMO instruments : Not concerned

## SECTION 15: REGULATORY INFORMATION

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

Regulation (EU) n°528/2012 concerning the making available on the market and use of biocidal products :

Active ingredient: D-gluconic acid compound with N,N"bis (4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)

Regulations relating to the hazards from major accidents :

SEVESO 3 Directive (2012/18/EC) : Not concerned

Regulations relating to the classification, packaging and labelling of substances and mixtures :

Regulation (EC) 1272/2008 amended.

Waste regulations :

2008/98/EC Directive amended by 2015/1127/EC Directive - Regulation 1357/2014/EC

Decision 2014/955/EC which establishes the list of hazardous waste.

Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals : Not concerned

Protection of workers :

Directive 98/24/EC of 07/04/1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EU) 2019/1021 of 20 June 2019 on persistent organic pollutants : Not applicable

Regulation (EC) 1005/2009 amended on substances that deplete the ozone layer : Not applicable

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Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors:

Not concerned

Regulation (EC) 648/2004 :

Not concerned

Comply with national and local legislation.

#### 15.2. Chemical safety assessment

This safety data sheet has been drafted taking into account the information from exposure scenarios for the substances making up the mixture.

#### SECTION 16: OTHER INFORMATION

The safety data sheet is additional to the technical data sheet but does not replace it. The information given here in is to the best of our knowledge correct and is given in good faith. We must also draw the user's attention on potential risks of the product is used for other purposes for which the product is known.

In no way does it exempt users from being aware of and complying with regulations applicable to their activity. It is their sole responsibility to take all necessary precautions in accordance to the usage of the product they are aware of.

Regulations are only stated in order to help users fulfill the duties involved in the use of the product.

This description should not be considered as exhaustive. It does not exempt users from ensuring if other demands need to be complied with-according to other laws than the ones hereby stated and applicable to holding and usage of the product-demands for which they will remain sole responsibility.

Section(s) modified compared with the previous version :

Not concerned

List of H phrases referred to in section 3 :

H302 : Harmful if swallowed.

H318 : Causes serious eye damage.

H400 : Very toxic to aquatic life.

H410 : Very toxic to aquatic life with long lasting effects.

Sources of key data used to compile the data sheet :

MSDS supplier

Historical :

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Cancels and replaces previous version 6.0.