

SAFETY DATA SHEET

InSpec QT+ Concentrate

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

1.1. Product identifier

Product name InSpec QT+ Concentrate – all QT+ concentrate variants

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

Identified uses Concentrated cleanroom hard surface rotational disinfectant

1.3. Details of the supplier of the safety data sheet

Supplier

Redditch Medical (A Division of Entaco)

Unit 90, Heming Road,

Washford Industrial Estate,

Redditch

Worcestershire

UK

Tel: +44 (0) 1527 830942

Regulatory Email: craig.thomas@redditchmedical.com

1.4. Emergency telephone number Tel: +44 (0) 1527 830942

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H302 Skin Corr. 1A - H314 Eye Dam. 1 - H318

Environmental hazards Aquatic Chronic 2 - H411

Classification (67/548/EEC or C;R34.
1999/45/EC)

2.2. Label elements

Hazard pictograms



Signal word

Danger

Hazard

H302 Harmful if swallowed.

statements

H314 Causes severe skin burns and eye damage.

H411 Toxic to aquatic life with long lasting effects.

InSpec QT+ Concentrate

Precautionary statements	P260 Do not breathe vapour/ spray.
	P264 Wash contaminated skin thoroughly after handling.
	P270 Do not eat, drink or smoke when using this product.
	P273 Avoid release to the environment.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.
	P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
	P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	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/ doctor.
	P321 Specific treatment (see medical advice on this label).
	P363 Wash contaminated clothing before reuse.
	P391 Collect spillage.
P405 Store locked up.	
P501 Dispose of contents/ container in accordance with national regulations.	
Contains	2-AMINOETHANOL, Didecyldimethyl ammonium chloride

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

2-AMINOETHANOL	5-10%
CAS number: 141-43-5	EC number: 205-483-3
	REACH registration number: 012119486455-28-0006
Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302	C;R34 Xn;R20/21/22
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Skin Corr. 1B - H314	
STOT SE 3 - H335	
Aquatic Chronic 3 - H412	
Potassium Carbonate	5-10%
CAS number: 584-08-7	
Classification	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	
Didecyldimethyl ammonium chloride	5-10%

InSpec QT+ Concentrate

CAS number: 7 173-51-5		
M factor (Acute) = 1		M factor (Chronic) = 1
Classification Acute Tox. 3 - H301 Skin Corr. 1A - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
PROPAN-2-OL		1-5%
CAS number: 67-63-0	EC number: 200-661-7	REACH registration number: 012119457558-25-XXXX
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC or 1999/45/EC) F;R11 Xi;R36 R67	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. If breathing stops, provide artificial respiration. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
Skin contact	Remove affected person from source of contamination. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

Inhalation	This product is moderately irritating.
Ingestion	May cause chemical burns in mouth, oesophagus and stomach.
Skin contact	Causes burns.
Eye contact	This product is corrosive.

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

Notes for the doctor	Treat symptomatically.
----------------------	------------------------

SECTION 5: Firefighting measures

5.1. Extinguishing media

InSpec QT+ Concentrate

Suitable extinguishing media The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Corrosive gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses. Use special protective clothing. Regular protection may not be safe.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear appropriate personal protective clothing including goggles and gloves.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. DO NOT touch spilled material! Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid contamination of ponds or watercourses with washing down water.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage class Corrosive storage.

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters Occupational exposure limits

2-AMINOETHANOL

Long-term exposure limit (8-hour TWA): WEL 1 ppm(Sk) 2.5 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 3 ppm(Sk) 7.6 mg/m³(Sk)

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

WEL = Workplace Exposure Limit

Ingredient comments OES = Occupational Exposure Standard.

8.2. Exposure controls

Protective equipment



InSpec QT+ Concentrate

Eye/face protection	The following protection should be worn: Full face visor or shield.
Hand protection	Use full length gloves.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear Liquid
Colour	Colourless to straw
Odour	Characteristic.
Relative density	1.080 - 1.100
Solubility(ies)	Miscible with water.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Generates toxic gas in contact with acid.
------------	---

10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
-----------	--

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	The following materials may react with the product: Acids.
------------------------------------	--

10.4. Conditions to avoid

Conditions to avoid	Avoid contact with acids and oxidising substances.
---------------------	--

10.5. Incompatible materials

Materials to avoid	DO NOT use on aluminium, zinc and other similar metals
--------------------	--

10.6. Hazardous decomposition products

Hazardous decomposition	Irritating fumes carried by fire products
-------------------------	---

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	No information available.
-----------------------	---------------------------

Acute toxicity - oral

ATE oral (mg/kg)	1,273.89
------------------	----------

InSpec QT+ Concentrate

Acute toxicity - dermal

ATE dermal (mg/kg) 12,571.43

Acute toxicity - inhalation

ATE inhalation (gases ppm) 51,428.57

ATE inhalation (vapours mg/l) 125.71

ATE inhalation (dusts/mists
mg/l) 17.14

Eye contact Causes burns.

SECTION 12: Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity No information available

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential No information available.

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB
assessment No data available.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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 CORROSIVE LIQUID, N.O.S. (contains DidecylDimethyl Ammonium Chloride) (ADR/RID)

InSpec QT+ Concentrate

Proper shipping name (IMDG) CORROSIVE LIQUID, N.O.S. (contains DidecylDimethyl Ammonium Chloride)

Proper shipping name (ICAO) CORROSIVE LIQUID, N.O.S. (contains DidecylDimethyl Ammonium Chloride)

Proper shipping name (ADN) CORROSIVE LIQUID, N.O.S. (contains DidecylDimethyl Ammonium Chloride)

14.3. Transport hazard class(es)

ADR/RID class 8

ADR/RID label 8

IMDG class 8

ICAO class/division 8

14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

ADN packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Emergency Action Code 2X

Hazard Identification Number 80

(ADR/RID)

Tunnel restriction code (E)

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

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture 15.2. Chemical safety assessment

SECTION 16: Other information

General information This information is given in good faith and is based upon current available data. The suitability of this product for any particular use is not suggested. The user must determine if the product is correct for any particular application. This document is not a specification.

Revision date 04/12/2018

Revision 03

Supersedes date 12/11/2018

SDS number 21828

InSpec QT+ Concentrate

Risk phrases in full	R22 Harmful if swallowed. R31 Contact with acids liberates toxic gas. R34 Causes burns. R35 Causes severe burns. R36 Irritating to eyes. R50 Very toxic to aquatic organisms.
Hazard statements in full	H225 Highly flammable liquid and vapour. H301 Toxic if swallowed. H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. 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. H412 Harmful to aquatic life with long lasting effects.