



Safety Data Sheet
MX14 Aero
Anti Bacterial Multi Surface
Disinfectant Specialized
Cleaner

MSDS No.
MX14Aero-
rev a 11th May
2020

Section 1 - Identification of the substance/preparation and company

1.1 Product identifier: MX14 Aero. Anti Bacterial Multi Surface Disinfectant. Specialized Cleaner.

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

For the removal of multiple types of stains from inanimate objects and surfaces.
For sanitization and disinfection of hard and soft surfaces for the removal of bacterial, viral and microbial contamination.

For generalized cleaning as required by appropriate regulatory bodies as defined with the required EASA and FAA technical documentation.

For the cleaning of heavy soiled areas/materials or spot cleaning of specific materials as required.

Not intended for application to humans or animals

1.3 Details of the supplier of the safety data sheet:

Mix14 Ltd
Unit 112
Culham No 1 Site
Station Road
Abingdon
Oxfordshire
OX11 7LS.

1.4 Details of authorized distributor:

Flitetec Limited
Unit 9
28 Plantation Rd
Amersham
HP6 6HD

MX14@flitetec.com

Mix14 Ltd
Unit 112
Culham No 1 Site
Station Road
Abingdon
Oxfordshire
OX11 7LS

Sales@mix14.co.uk

Mix14 LLC
MEKCO Group Inc.
7500 NW 52nd Street
Miami, FL 33136

customerservice@mekcogroup.com

Tel: (305) 888-4822

1.5 Emergency telephone number:

01865 407587 (from outside the UK: +44 1865 407587)

09:00 to 17:00 only



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Section 2 - Hazards identification

This product is a mixture

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008

Skin corrosion (category 1A),

H314 Causes severe skin burns and eye damage

Skin sensitization (Category 1),

H317 May cause an allergic skin reaction

2.2 Label elements

Labelling according to Regulation (EC) 1272/2008 (EU 'CLP' regulation)

Pictogram(s)



Signal word(s).

Warning

Hazard statement(s)

Causes severe skin burns and eye damage

May cause an allergic skin reaction

Toxic to aquatic life with long lasting effects

Contains:	Potassium hydroxide	CAS No. 1310-58-3
	Triton X100	CAS No. 9002-93-1
	Limonene	CAS No. 5989-27-5
	Acetic acid	CAS No. 64-19-7

Precautionary statements(s)

Wear protective gloves/protective clothing/eye protection/face protection.

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

IF SWALLOWED Rinse mouth. Do NOT induce vomiting.

IF ON SKIN Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention

Avoid release to the aquatic environment

2.3 Other hazards:

This product does not meet the criteria for classification as PBT or vPvB.

Section 3 - Composition/information on ingredients

3.1 Substances

3.2 Mixtures

Hazardous or dangerous ingredients present above threshold levels:

Component	CAS No.	EC No.	%
Potassium hydroxide	1310-58-3	215-181-3	< 2

Classification according to Regulation (EC) No 1278/2008:

Acute toxicity, Oral (Category 4), H302 - Harmful if swallowed

Skin corrosion (Category 1A), H314 - Causes severe skin burns and eye damage.



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Triton X100	9002-93-1		2 - 5
<i>Classification according to Regulation (EC) No 1278/2008:</i> Acute toxicity, Oral (Category 4), H302 - Harmful if swallowed. Skin irritation (Category 2), H315 - Causes skin irritation Serious eye damage (Category 1), H318 - Causes serious eye damage			
(R) - (+) - Limonene	5989-27-5	227-813-5	< 1
<i>Classification according to Regulation (EC) No 1278/2008:</i> Flammable liquids (Category 3), H226 - Flammable liquid and vapor Skin irritation (Category 2), H315 - Causes skin irritation Skin sensitization (Category 1), H317 - May cause an allergic skin reaction Aspiration hazard (Category 1), H304 - May be fatal if swallowed and enters airways.			
Acetic acid	64-19-7	200-580-7	.01- 3
<i>Classification according to Regulation (EC) No 1278/2008:</i> Flammable liquids (Category 3), H226 - Flammable liquid and vapor Corrosive to metals (Category 1), H290 - May be corrosive to metals. Skin corrosion (Sub-category 1A), H314 - Causes severe skin burns and eye damage.			

Substances for which an UK Workplace Exposure Limit exists:

Potassium hydroxide – see data above

Section 4 - First-aid measures

4.1 Description of first aid measures:

General advice

Remove from source of exposure. If medical advice is sought show this safety data sheet to the doctor in attendance

Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Seek medical advice.

Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical advice.

Skin contact

Take off contaminated clothing. Wash off with soap and plenty of water. Seek medical advice if there are prolonged signs of irritation.

Eye contact

Rinse with plenty of water, occasionally lifting upper and lower eyelids. After initial flushing, remove any contact lenses and continue flushing. Seek medical advice.

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

No specific effects and/or symptoms have been reported or are known.

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

None



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Section 5 - Fire-fighting measures

5.1 Extinguishing media

All media are suitable

5.2 Special hazards arising from the substances or mixture

The product contains organic chemicals. Combustion products may be irritating or toxic and will include organic decomposition products and carbon monoxide.

5.3 Advice for fire fighters

For a large fire or if there is a possibility of fume inhalation wear self-contained breathing apparatus.

Section 6 - Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Prevent skin and eye contact: use personal protective equipment.
Avoid breathing vapors, mist or gas. Ensure adequate ventilation
Evacuate personnel from area of spillage.
Prevent further leakage if it is safe to do so.

6.2 Environmental precautions

Do not let product enter drains. Discharge into the environment must be avoided

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material (sand, diatomaceous earth etc.). Keep in suitable, closed, labelled container. Dispose of as hazardous waste.

6.4 Reference to any other sections

See section 2 for information on hazards
See sections 7 and 8 for information on safe handling of the product
See section 13 for disposal information

Section 7 - Handling and storage

7.1 Precautions for safe handling:

Prevent contact with skin and eyes. Use personal protective equipment as required.
Do not heat product – use at room temperature.
Can be applied as liquid or spray
Use in a ventilated area.
Unsure areas cleaned are dry after application.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry place.

7.3 Specific end use(s)

As identified in section 1.2

Section 8 - Exposure controls/personal protection

8.1 Control parameters

A UK Workplace Exposure Limit (WEL) exists for:

Potassium Hydroxide: 2 mg/m³ STEL (15 min ref period)
Exposure should not exceed this level.



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Derived No (Minimal) Effect Levels – DN(M)ELs

No data available

Predicted No Effect Concentrations – PNECs

No data available

8.2 Exposure controls

Appropriate engineering controls

Follow good industrial hygiene practices. Wash hands after handling product.

Personal protective equipment

If eye contact is likely wear eye protection (box goggles, face shield or safety glasses) approved to EN 166(EU).

If skin contact is likely wear chemically impervious gloves (nitrile rubber) approved to standard EN 374

Section 9 - Physical and chemical properties

9.1 Information on basic physical and chemicals properties:

Appearance:	Clear colorless liquid
Odor:	slight odor
Odor threshold:	not applicable
pH:	no data available
Melting point:	no data available
Boiling point:	decomposes
Flash point:	no data available
Evaporation rate	no data available
Flammability	not classified as flammable
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available solid)
Relative density	no data available
Bulk density:	no data available
Solubility in water:	completely soluble (100%)
Solubility in other	
Ingredients:	no data available.
Partition coefficient	
Octanol/water:	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosion properties:	no data available
Oxidizing properties:	not oxidizing.

9.2 Other information

No additional data available

Section 10 - Stability and reactivity

10.1 Reactivity

May react with metals. No reactive to plastics commonly used in the transportation, handling and storage of industrial materials.

10.2 Chemical stability

Stable at room temperature.

10.3 Possibility of hazardous reactions

None identified



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10.4 Conditions to avoid

Excessive heat.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

Normal combustion products from organic materials.

Section 11 - Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:	Data not available. Not classified as having this hazard.
Skin corrosion / irritation:	Classified as having this hazard based on properties of components.
Serious eye damage / irritation:	Classified as having this hazard based on properties of components.
Respiratory or skin sensitization:	Data not available. Not classified as having this hazard.
Germ cell mutagenicity:	Data not available. Not classified as having this hazard.
Carcinogenicity:	Data not available. Not classified as having this hazard.
Reproductive toxicity:	Data not available. Not classified as having this hazard.
STOT-single exposure:	Data not available. Not classified as having this hazard.
STOP-repeated exposure:	Data not available. Not classified as having this hazard.
Aspiration hazard:	Data not available. Not classified as having this hazard.

Information on likely routes of exposure: Data not available

Symptoms related to physical, chemical and toxicological characteristics:
Data not available

Interactive effects: Data not available

Other information: Data not available

Section 12 - Ecological information

12.1 Toxicity

Classified as 'Toxic to aquatic life with long lasting effects' based on properties of components.

12.2 Persistence and biodegradability

Biodegradability – no data available

Persistence – no data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB

12.6 Other adverse effects

Data not available.



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Section 13 - Disposal considerations

13.1 Waste treatment methods

Product

Dispose of as hazardous waste using a licensed waste disposal company. Follow Directive (EU) 2018/851 and Directive 2008/98/EC on Waste (and national and local implementations of these directives)

Packaging

Packaging not contaminated with product should be recycled if possible.

Packaging contaminated by product should be disposed of as hazardous waste, as for the product.

Section 14 - Transport information

14.1 UN number

Not Known

14.2 UN proper shipping name

Not Known

14.3 Transport hazard class(s)

Not Known

14.4 Packing group

Not Known

14.5 Environmental hazards

ADR Not Known

RID Not Known

IATA Not Known

IMDG Not Known

14.6 Special precautions for user

Data not available.

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

Data not available.

Section 15 - Regulatory information

This Safety Data Sheet has been prepared in accordance with the requirements of regulation (EC) No 1907/2006 as amended by regulation (EU) 2015/830

The Workplace Exposure Limit(s) given in section 8 has been taken from the UK HSE document 'EH40/2005 Workplace Exposure Limits' as amended.

Relevant regulations:

Regulation (EC) 1272/2008 (EU 'CLP' regulation) and subsequent Adaptations to Technical Progress (ATP) up to and including COMMISSION REGULATION (EU) 2018/669 (ATP 11).

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

None.

15.2 Chemical safety assessment

Chemical Safety Assessment has not been undertaken.



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Section 16 - Other information

This information is believed to be accurate and represents the best information available to the company at this time. This information is provided as a guide to the hazards and respective safety precautions relevant to this product. This SDS does not represent any guarantee of performance or specification.

History of Document changes:

17th April 2020, Mix14 USA details added to authorized distributor list.

11th May 2020, Update section 7.1 for more specific details.

11th May 2020, Update section 1.1 product identifier.

11th May 2020, Update section 1.2 relevant uses, to reflect update to system and capabilities.