

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Trade name : NEUTRAL DISINFECTANT
Product group : Trade product

1.2. Recommended use and restrictions on use

Recommended use : Biocidal products (e.g. Disinfectants, pest control)

1.3. Supplier

Manufacturer

AxSys Direct Manufacturing
4523 97 Street
T6E 5Y8 Edmonton, AB - Canada
T 780-436-2606 - F 780-434-5904

1.4. Emergency telephone number

Emergency number : FOR EMERGENCIES INVOLVING DANGEROUS GOODS CALL CANUTEC'S 24HR NUMBER
613-996-6666

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Not classified

2.2. GHS Label elements, including precautionary statements

GHS CA labeling

Hazard pictograms (GHS-CA) :



2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

NEUTRAL DISINFECTANT

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

3.2. Mixtures

NEUTRAL DISINFECTANT

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
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NEUTRAL DISINFECTANT

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

citric acid	citric acid 1,2,3- propanetricarboxy lic acid, 2- hydroxy- / 1,2,3- propanetricarboxy lic acid, 2- hydroxy-, anhydrous / 2- hydroxy-1,2,3- propanetricarbolic acid / 2-hydroxy- 1,2,3- propanetricarboxy lic acid / 2- hydroxy-1,2,3- propanetricarboxy lic acid, anhydrous / acide bêta-hydroxy- bêta- carboxyglutarique / acide bêta- hydroxypropane alpha,bêta,gamm a-tricarboxylique / acide bêta- hydroxytricarboxyl ique / acide du 2- hydroxy-1,2,3- propane tricarboxylique / aciletten / anhydrous citric acid / beta- hydroxytricarballyl ic acid / beta- hydroxytricarballyl ic acid, anhydrous / beta- hydroxytricarboxyl ic acid / citretten / citric acid / citric acid anhydrous fine granular 16/40 / citric acid anhydrous granular / citric acid anhydrous granular 5N / citric acid anhydrous medium granular / citric acid anhydrous powder / citro / citroenzuur, anhydraat /	CAS-No.: 77-92-9		Not classified
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NEUTRAL DISINFECTANT

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
	Citronensäure / Citronensäure, wasserfrei / E 330 / E330 / FEMA no 2306 / hydroxytricarballic acid / MC-1, acidic membrane cleaner / NSC 30279			

NEUTRAL DISINFECTANT

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

alkyldimethylbenzylammoniumchloride	alkylbenzyl dimethylammoniumchloride / alkyldimethyl(phenylmethyl)quaternary- ammoniumchlorides / amonyx / barquat mb80 / bayclean / benirol / benzalkoniumchloride / benzyl dimethylalkylammoniumchloride / bionol / bionol ro50 / BTC / BTC 50 / BTC 824 / catamin ab / catamine ab / cequaryl / Corrosive solid, n.o.s. / culversan 50-LC / dibactol / dimanin a / drapolene / drapolex / enuclen / germicin / germitol / germitol / hyamine 3500 / intexan LB50 / katamin AB / marinol / marquat mb50 / neo germi-tol / neogermitol / onyx btc / osvan / paralkan / phemerol / pheneene germicidal, solution and tincture / quaternary ammonium compounds, alkylbenzyl dimethyl / quaternary-ammonium compounds, alkylbenzyl dimethylchlorides / quaternium-1 / quaternium-34 / retzaquat 47 / roccal / roccal 90% / rodalon / triton k-60 /	CAS-No.: 8001-54-5		Not classified
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NEUTRAL DISINFECTANT

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
	variquat 415 / zephiral / zephiran / zephiranchloride / zephiorol			

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

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 : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

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, protective equipment and emergency procedures

No additional information available

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

NEUTRAL DISINFECTANT

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

NEUTRAL DISINFECTANT

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Appearance	: Liquid.
Color	: yellow
Odor	: Pleasant odour
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: No additional information available
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	: No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

citric acid (77-92-9)	
LD50 oral	5400 mg/kg body weight (Equivalent or similar to OECD 401, Mouse, Male/female, Experimental value)
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value)
ATE CA (oral)	5400 mg/kg body weight

alkyldimethylbenzylammoniumchloride (8001-54-5)	
LD50 oral rat	240 mg/kg (Rat)

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified

NEUTRAL DISINFECTANT

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Aquatic acute	: Not classified
Aquatic chronic	: Not classified

citric acid (77-92-9)	
LC50 - Fish [1]	440 – 760 mg/l (Equivalent or similar to OECD 203, 48 h, Leuciscus idus, Static system, Fresh water, Experimental value)
BCF - Other aquatic organisms [1]	3.2 (Other, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	-1.8 – -1.55 (Experimental value)

alkyldimethylbenzylammoniumchloride (8001-54-5)	
LC50 - Fish [1]	0.62 mg/l (LC50; 96 h)

12.2. Persistence and degradability

citric acid (77-92-9)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.42 g O ₂ /g substance
Chemical oxygen demand (COD)	0.728 g O ₂ /g substance
ThOD	0.686 g O ₂ /g substance
BOD (% of ThOD)	0.89 (20 day(s), Literature study)

alkyldimethylbenzylammoniumchloride (8001-54-5)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

citric acid (77-92-9)	
Bioaccumulative potential	Not bioaccumulative.
BCF - Other aquatic organisms [1]	3.2 (Other, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	-1.8 – -1.55 (Experimental value)

alkyldimethylbenzylammoniumchloride (8001-54-5)	
Bioaccumulative potential	Not bioaccumulative.

NEUTRAL DISINFECTANT

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

12.4. Mobility in soil

citric acid (77-92-9)

Ecology - soil	No (test)data on mobility of the substance available.
Partition coefficient n-octanol/water (Log Pow)	-1.8 – -1.55 (Experimental value)

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (TDG) : Not applicable
Proper Shipping Name (DOT) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

TDG
Transport hazard class(es) (TDG) : Not applicable

DOT
Transport hazard class(es) (DOT) : Not applicable

IMDG
Transport hazard class(es) (IMDG) : Not applicable

IATA
Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (TDG) : Not applicable
Packing group (DOT) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

TDG
No data available

NEUTRAL DISINFECTANT

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

DOT

No data available

IMDG

No data available

IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

No additional information available

15.2. International regulations

citric acid (77-92-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

No data available

Safety Data Sheet (SDS), Canada

While the descriptions, data and information contained herein are presented in good faith and believed to be current, it is provided for guidance only. Because there are so many factors that may affect processing, application or other use, we recommended that you perform an assessment to determine the suitability of the product for your particular purpose prior to use. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding the product described. We assume NO responsibility for any injuries sustained from misuse or misapplication of this product or that might be experienced due to inhalation, ingestion, absorption or other contact with this product. In no case shall the descriptions, information or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such, it has been given and accepted at your risk.