

AGAVOX-N

Code: 034J0

Material Safety Data Sheet compliant with Regulation (EC) 2015/830

Version 6.2.0

Revision: 07/08/19

Print Date : 07/08/19

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

1.1. Product identifier

Trade name AGAVOX-N

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

Use of the product

ALKALINE POWDER
BREEDING - INDUSTRIES (including food processing industries,
slaughterhouses, butcher shops)
DISINFECTION BY SOAKING, SPRAYING, FOAM APPLICATION - OF
VEHICLES, BUILDINGS, EQUIPMENT, SURFACES

1.3. Details of the supplier of the safety data sheet

Company identification

Medentech
Clonard
Wexpord IRLAND
Tel: +353.53.9117900
Fax: +353.53.9141271
e-mail : kersia@kersia-group.com

For information regarding this safety data sheet, please contact :
regulatory@kersia-group.com

1.4. Emergency telephone number

Emergency phone number

Emergency direct number (24 hours a day, 7 days a week) :
(+ 1-760-476-3960 (Asian area, Pacific area)
(+ 1-760-476-3961 (European area)
(+ 1-760-476-3962 (Americas area)
(+ 1-760-476-3959 (Middle eastern countries and African area)
Access code : 333021

INRS
30, rue Olivier Noyer

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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.

Serious damage to eyes - Category 1 H318: Causes serious eye damage.

Skin irritation - Category 2 H315: Causes skin irritation.

2.2. Label elements

Labelling according to 1272/2008/EC Regulation:

Hazard pictograms(s) :



Signal word :

Danger

Contains : Ethylenediamine tetraacetic acid tetrasodium salt+ Sulphamic acid+ SODIUM CARBONATE PEROXYHYDRATE

Hazard statement(s) :

H315: Causes skin irritation.H318: Causes serious eye damage.

Precautionary statement(s) :

P261: Avoid breathing dust. P280: Wear protective gloves/protective clothing/eye protection/face protection.P302 + P352: IF ON SKIN: Wash with plenty of soap and water.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 or doctor/physician.P332 + P313: If skin irritation occurs: Get medical advice/attention.P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

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2.3. Other hazards

Inhaling dust from the mix can irritate the respiratory tracts.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable as this involves a mixture.

3.2. Mixtures

Chemical nature of the mixture : ALKALINE POWDER

Substance(s)	CAS number(s)	EINECS number(s)	No registration REACH	Classification according to Regulation 1272/2008/EC	Type
30% <= SODIUM CARBONATE PEROXYHYDRATE < 50%	15630-89-4	239-707-6	01-2119457268-30	Ox. Sol. 3 H272 Acute Tox. 4 (oral) H302 Eye Dam. 1 H318	(1)
Sodium carbonate<5%	497-19-8	207-838-8		Eye Irrit. 2 H319	(1)
Alcohol C16-C18, ethoxylated > 20 EO<5%	68439-49-6	500-212-8		Eye Irrit. 2 H319	(1)
Acid (1-hydroxyethylidene)bisphosphonic, sodium salt<5%	29329-71-3	249-559-4	01-2119510382-52	Acute Tox. 4 (oral) H302 Eye Irrit. 2 H319	(1)
5% <= Ethylenediamine tetraacetic acid tetrasodium salt < 10%	64-02-8	200-573-9	01-2119486762-27	Acute Tox. 4 (inhalation) H332 Acute Tox. 4 (oral) H302 Eye Dam. 1 H318 STOT RE 2 H373	(1)
10% <= Sulphamic acid < 25%	5329-14-6	226-218-8	01-2119488633-28	Skin Irrit. 2 H315 Eye Irrit. 2 H319 Aquatic Chronic 3 H412	(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

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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.
Put into practice respiratory help procedure if needed and get medical advice immediately.

In the event of contact with the skin :

Wash immediately and abundantly with water and soap.
If skin irritation occurs: Get medical advice/attention.

In the event of contact with the eyes :

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.
Immediately call a POISON CENTER or doctor/physician.

In the event of ingestion :

Rinse mouth.
Do NOT induce vomiting.
Send to hospital.

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

Skin contact : Causes skin irritation.

Eye contact : Causes serious eye damage.

Ingestion : Irritating to mouth and digestive tract.

Inhalation : Can irritate the nose, throat and respiratory tracts.

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

Treatments : Symptomatic treatment

SECTION 5: Firefighting measures

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5.1. Extinguishing media

Suitable extinguishing media :

All the extinction agents are usable.

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

AGAVOX-N is not considered as oxidising (Method O.1 of the test methods and criteria manual relating to the transport of dangerous goods (United Nations)).

The product has not been tested. The information comes from structure or analogue composition products.

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

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

Intervention limited to trained staff.

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

Take as soon as possible all incompatible materials away.

6.3. Methods and material for containment and cleaning up

Small spillage :

Recover in a reservoir of help.

Large spillage :

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Mark out and pump in an emergency tank.
 Never return spills in original containers for re-use.
 Keep in suitable, properly labelled and closed containers for disposal.

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

Avoid the formation of dust.
 Avoid contact with skin, eyes and clothing.
 Do not eat, drink or smoke in work area. Avoid projections during use.
 Take off immediately all contaminated clothing.
 Avoid breathing dust.
 Keep away from incompatible matters (see heading 10).

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Storage :

Keep only in the original container.
 Keep away from incompatible matters (see heading 10).
 Keep container closed.
 Keep in a clean and dry place.

7.2.2. Packaging or wrapping materials :

High density polyethylene recommended.

7.3. Specific end use(s)

AGAVOX-N is for use as a biocide.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values :

Substance	Country	Type	Value	Unit	Comments	source
Contains no substances with occupational exposure limit values.						

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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.

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

Eye/face protection :

Use safety glasses or facial screen in conformity with the EN 166 standard.



Hand protection :

Use chemical resistant gloves approved to EN 374.

Examples of preferred materials for insulating gloves:

Rubber chloroprene (CR).

Nitril.

Neoprene.

PVC



Skin protection :

Wear boots and a protective cloth with chemical resistance.

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Respiratory protection :

During handling operations that cause dust to form, wear a half-mask compliant with standard EN 140 or a full mask compliant with standard EN 136 fitted with a filter (compliant with standard EN 143) of type:

P2: Particles, solid aerosols and liquids



Thermal hazards :

Not applicable

Health measures :

Safety shower and eye wash fountain near to workplace.

After using, wash systematically all personal protective equipment.

Handle in accordance with good industrial hygiene practices and the safety instructions.

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

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Appearance	Granular powder
Colour	White / cream
Odour	Not available
Odour threshold	Not applicable
Pure pH	Not applicable
pH value at 10g/l	8±1
Freezing point :	Not applicable
Melting point	Not available
Boiling point	Not available
Flash point	> 100 °C
Evaporation rate:	Not applicable
Flammability	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Mass density	0.65 - 1 g/cm ³
Relative density	Not available
Solubility in water	dissolvable
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available
Viscosity	Not applicable
Explosive properties	Not applicable
Oxidising properties (UN : 0.1)	non-oxidising (the product has not been tested. The information comes from structure or analogue composition products)

9.2. Other information

No additional information.

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

Avoid contact with acids, metals, reducing agents, organic matters.

10.4. Conditions to avoid

Humidity.

10.5. Incompatible materials

Acids.

Organic matters.

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Metals.

Reducing agents.

10.6. Hazardous decomposition products

Release of oxygen.

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 toxicological effects

Substance-related data:

Acute toxicity

Ethylenediamine tetraacetic acid tetrasodium salt : LD 50 - oral rat 1,780 - 2,000 mg/kg. - MSDS supplier

Sulphamic acid : LD 50 - oral rat > 2,000 mg/kg. - MSDS supplier

Sodium sulphate + SODIUM CARBONATE PEROXYHYDRATE + Sodium carbonate : LD 50 - oral male rat 1,034 mg/kg. - MSDS supplier

Sodium sulphate + SODIUM CARBONATE PEROXYHYDRATE + Sodium carbonate : LD 50 - dermal rabbit (OECD 402): > 2,000 mg/kg. - MSDS supplier

Sodium sulphate + SODIUM CARBONATE PEROXYHYDRATE + Sodium carbonate : Skin sensitisation guinea-pig . Not sensitising - MSDS supplier

Sulphamic acid : LD 50 - dermal > 2,000 mg/kg. - MSDS supplier

Ethylenediamine tetraacetic acid tetrasodium salt : LC 50 - inhalation - 6h rat (OECD 412): 1 - 5 mg/L. - MSDS supplier

Ethylenediamine tetraacetic acid tetrasodium salt : EC 50 - 72h algae > 100 mg/L. - MSDS supplier

Acid (1-hydroxyethylidene)bisphosphonic, sodium salt (85%) : LD 50 - oral rat 1,100 mg/kg. - MSDS supplier

Skin corrosion/irritation

Ethylenediamine tetraacetic acid tetrasodium salt : Skin irritation rabbit (OECD 404): . non irritating - MSDS supplier

Sulphamic acid : Skin irritation . Irritating - MSDS supplier

Sodium sulphate + SODIUM CARBONATE PEROXYHYDRATE + Sodium carbonate : Skin irritation rabbit . non irritating - MSDS supplier

Serious damage to eyes/eye irritation

Ethylenediamine tetraacetic acid tetrasodium salt : Eye irritation rabbit (OECD 405): . Risk of serious damage of eyes - MSDS supplier

Sulphamic acid : Eye irritation . Irritating - MSDS supplier

Sodium sulphate + SODIUM CARBONATE PEROXYHYDRATE + Sodium carbonate : Eye irritation rabbit . Risk of serious damage of eyes - MSDS supplier

Alcohol C16-C18, ethoxylated > 20 EO : Eye irritation . Irritating - MSDS supplier

Acid (1-hydroxyethylidene)bisphosphonic, sodium salt (85%) : Eye irritation . Irritating - MSDS supplier

Sensitisation

Ethylenediamine tetraacetic acid tetrasodium salt : Skin sensitisation guinea-pig (OECD 406): . Not sensitising - MSDS supplier

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Repeated dose toxicity

Sulphamic acid : NOEL- oral 1,000 mg/kg. - MSDS supplier

Mix-related data:

Acute toxicity

. Not determined

Skin corrosion/irritation

Skin irritation . The mixture is considered to be irritating to the skin according to the Regulation 1272/2008/EC.

Serious damage to eyes/eye irritation

Ocular corrosivity . Causes serious eye damage according to the criteria of Regulation 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 : Causes skin irritation.

Eye contact : Causes serious eye damage.

Ingestion : Irritating to mouth and digestive tract.

Inhalation : Can irritate the nose, throat and respiratory tracts.

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

Substance-related data:

Acute toxicity

Ethylenediamine tetraacetic acid tetrasodium salt : LC 50 - 96h fishes > 100 mg/L. - The product has not been tested. The information comes from structure or analogue composition products. - MSDS supplier

Ethylenediamine tetraacetic acid tetrasodium salt : EC 50 - 48h daphnia > 100 mg/L. - The product has not been tested. The information comes from structure or analogue composition products. - MSDS supplier

Sulphamic acid : LC 50 - 96h fishes (Pimephales promelas) 70.3 mg/L. - MSDS supplier

Sodium sulphate + SODIUM CARBONATE PEROXYHYDRATE + Sodium carbonate : LC 50 - 96h fishes (Pimephales promelas) 70.7 mg/L. - MSDS supplier

Sodium sulphate + SODIUM CARBONATE PEROXYHYDRATE + Sodium carbonate : EC 50 - 48h daphnia (Daphnia pulex) 4.9 mg/L. - MSDS supplier

Sulphamic acid : EC 50 - 96h daphnia (Daphnia magna) 71.6 mg/L. - MSDS supplier

Sulphamic acid : EC 50 - 72h algae 48 mg/L. - MSDS supplier

CHRONIC TOXICITY

Sulphamic acid : NOEC - 72h algae 18 mg/L. - MSDS supplier

Degradability

Ethylenediamine tetraacetic acid tetrasodium salt : Biodegradability . Not easily biodegradable - MSDS supplier

Mix-related data:

Acute toxicity

fishes . Not determined

daphnia . Not determined

algae . Not determined

CHRONIC TOXICITY

. No data available.

Degradability

. The surface agents contained in this mix are in line with the requirements of the Detergent Regulation 648/2004/EC.

Bioaccumulation

. No data available.

Mobility

. No data available.

Conclusion :

The mixture is not considered to be dangerous for the environment according to 1272/2008/EC Regulation.

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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. 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)

UN no :

UN proper shipping name :Not concerned

Transport hazard class(es) :

Packing group :

Hazard code :

Label :

Tunnel code :

Environmental hazard : No

Special precautions for user : No information.

Limited Quantity (QL):

MARITIME TRANSPORT :

IMDG

UN no :

UN proper shipping name : Not concerned

Transport hazard class(es) :

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Packing group :

Marine pollutant : No

Special precautions for user : No information.

EmS number :

Comply with the provisions of the IMDG on the physical separation of materials.Limited Quantity (QL):

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

Not concerned

SECTION 15: Regulatory information

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

Regulations relating to the hazards from major accidents :

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

Regulations relating to the classification, packing and labelling of substances and mixes :

Regulation 1272/2008/EC 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.

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 850/2004/EC on persistent organic pollutants and modifying Directive 79/117/EC : Not applicable

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

Regulation (EC) 648/2004 :

Not concerned

Comply with national and local legislation.

15.2. Chemical safety assessment

No

SECTION 16: Other information

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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 :

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

List of H phrases referred to in sections 2 and 3 :

H272 : May intensify fire; oxidiser.

H302 : Harmful if swallowed.

H315 : Causes skin irritation.

H318 : Causes serious eye damage.

H319 : Causes serious eye irritation.

H332 : Harmful if inhaled.

H373 : May cause damage to organs through prolonged or repeated exposure.

H412 : Harmful to aquatic life with long lasting effects.

Sources of key data used to compile the data sheet :

MSDS supplier

Historical :

Version 6.2.0

Cancels and replaces previous version 6.1.