


MATERIAL SAFETY DATA SHEET According to the Reg. CE 1907/2006 , Reg. EC1272/2008	 AIFAR Agrochimica
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 PRODUCT NAME

VITEL P - Ca

1.2 CHEMICAL NAME/COMMON NAME

Solution of Nitrogen and Phosphorous 3-19 with Calcium

1.3 PRODUCT USE

Fertilizer with NP3-19 with Calcium. To be used exclusively in agriculture.

1.4 MANUFACTURED BY

AIFAR AGROCHIMICA SRL

Via Bazzano 12 – 16019 – Ronco Scrivia (GE)

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1.5 EMERGENCY TELEPHONE NUMBER

CAV Hospital S. Martino (Genova)- Italy –Tel. +39.010-352.808

2 . HEALTH HAZARDS IDENTIFICATION


CLASSIFICATION OF MIXTURE:

In according to Regulation CE 1272/2008: the mixture is considered corrosive

In according to Regulation 67/548: corrosive

Classification in according with Regulation CE 1272/2008



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ELEMENTS OF LABEL:

Labeling in according with Regulation CE 1272/2008

Hazard pictograms: GHS05, GHS07

Warning: dangerous

Indication of dangerous:

H302: harmful if swallowed

H290: it can be corrosive to metals:

Safety advice:

P234: storage only in the original container

P390: adsorb spillage to prevent material damage

P302+P352: in case of contact with skin wash with water and soap

P332+P313: in case of skin irritation consult a doctor

3. IDENTIFICATION OF DANGEROUS

Solution contain the following ingredients:

Chemical name	N° CAS	N° EINECS	Symbols
Phosphorous acid	13598-36-2	237-066-7	GHS05-GHS07
Nitrogen, Calcium salts	-	-	-


4. FIRST AID MEASURES

SKIN: Wash skin thoroughly with soap and water. If redness or rash develops and persists, seek medical attention. Wash or clean contaminated clothing and shoes before wearing again.

EYES: flush gently but thoroughly for 10 minutes with large amounts of clean water, occasionally lifting upper and lower lids. If irritation persist consult a specialist.

INHALATION: air the room. Remove the patient from the contaminated environment and keep to rest

INGESTION: do not induce vomiting , drink lots of water, seek medical attention. It's possible have gastro – intestinal problems.

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5. FIRE FIGHTING MEASURES

The product is not flammable

AUTOIGNITION TEMPERATURE: not applicable

CONDITIONS OF FLAMMABILITY: not applicable

HAZARDOUS PRODUCTS OF COMBUSTION: Nitrogen Oxide, Phosphorous oxide, Phosphine

EXTINGUISHING MEDIA: in case of fire can't user water spray. Do not utilize extinguisher at powder or CO2

6. ACCIDENTAL RELEASE MEASURES

This product is formulated for use on plants.

Keep children, animals, and unauthorized personnel away from spills.

Pump spilled material into suitable containers for removal. Flush area with water, contain and remove cleanup liquid. Small amounts of spilled solution may be absorbed using appropriate absorbent material.

7. HANDLING AND STORAGE

HANDLING: open containers preferably in well-ventilated area.

STORAGE: keep the product away from the sun and heat or from cold or freeze at temperature not less than 8 C° and not higher than 35 C°.

Given its nature the product do not expose to temperatures exceeding to 35°C. Keep the containers tightly closed. Always store in well ventilated ambient. Keep in original container (plastic)

Do not store for long time in mixing metal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION


EXPOSURE LIMITS: none required under normal conditions.

VENTILATION: none required under normal conditions.

PROTECTIVE EQUIPMENT:

SKIN: protective gloves are required. If irritation occurs, impervious clothing and gloves should be worn.

EYE: non essential for normal use. However adequate protection is request in case of prolonged exposure to the product

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RESPIRATORY: none required under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: colorless liquid

ODOR: specific.

MELTING POINT: -

BOILING POINT: -

FLASHPOINT: -

SOLUBILITY IN WATER: complete

SPECIFIC GRAVITY: 1.27-1.28 Kg/L

pH: 0.1 – 0.12

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: stable at normal temperatures and storage conditions. The product if stored properly will remain stable for approximately one year from date of manufacture. If the product is not properly stored (in particular if it is stored at temperatures above 35°C) can have problems of sedimentation.

CONDITIONS TO AVOID: do not expose to direct sunlight or other heat sources. Do not expose to temperatures exceeding to 35°C.

MATERIALS TO AVOID: iron, steel. Avoid prolonged contact with metallic materials

INCOMPATIBILITY: do not mix with products containing Copper, Sulfur, product with alkaline reaction, Acid, insecticides, Dimetoato, Difocol. Before mixing with others products make small tests in other containers.


11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: can cause slight irritation mucous membrane, skin and eye. Can cause intestinal disturb for ingest.

CHRONIC TOXICITY: at normal use none toxicity is notice

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

no specific information is available which addresses medical conditions that are generally recognized as being aggravated by this product.

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12. ECOLOGICAL INFORMATION

Use according to the good working practice avoid to loss the production the environment.

13. DISPOSAL CONSIDERATION

Treatment and disposal must be in accordance with the legislation of country

14. TRANSPORT INFORMATION

ONU Number: 3264

Name and description: inorganic ,corrosive, acid liquid (phosphorous acid)

ADR/RID:

Class: 8

Classification code: C1

Kemler:80

Packing Group: III


Label Dangerous: 8

Excepted quantitative: E1

Tunnel restriction code: E

Transport category: 3

Particularly disposition: 274

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15. REGULATORY INFORMATION

Directive 67/548/CEE

Directive 1999/45/CE

Regulation N°1907/2006/CE (Reach)

Regulation N°1272/2008/CE (CLP)

16. OTHER INFORMATION

DATE PREPARED : 2 January 2014

Date latest edition MSDS

NOTICE

The information is believed to be accurate as of the preparation date but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.

The user is required to verify the suitability and completeness of such information in relation to the specific use must be shown. This MSDS cancels and replaces the previous