



Organic Nitrogen (N)	1%
Organic Carbon (C)	12%
Potassium Oxide (K <sub>2</sub> O)	
Betaine	



VEGETAL BIOSTIMULANT FOR ORGANIC FARMING

ALGAFLUID, entirely obtained from vegetal constituents has a biostimulant action improving the plants growth especially in case of difficult climatic conditions. ALGAFLUID helps nutrients intake and it's promptly absorbed. It moves rapidly from the leaves surface to the cells increasing the metabolic activity of the plant.

#### DOSAGE AND USAGE PROCEDURES

FOLIAR APPLICATIONS	150-200 grams per 100 lt water
FERTIGATION	5-10 Kg/Ha





Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. DO NOT MIX WITH ACID PRODUCTS.



## **AMINOSPRAY®**

#### ORGANIC LIOUID FERTILIZER WITH AMINO-ACIDS FROM ENZYMATIC HYDROLYSIS

A latest generation organic fertilizer made of low molecular weight amino acids, peptides and peptones formulated for repeated foliar treatments to all crops, horticultural and arboreal. The amino acids contained are indispensable for the crop's life, not only as nutrients but also as catalysts of enzymatic activities essential for plant metabolism. Proteins are a vital constituent of animal and plant life; in the latter being indispensable for vegetative growth, flowering and fruit forma-tion. Starting with Nitrogen, water and air pho-tochemical processes convert these raw materials initially into amino acids; subsequently peptides and proteins are formed. This requires time and significant use of the crop's energy intake. AMINOSPRAY, supplying readily absor-bed peptides and peptones accelerates protein formation and increases the productive capacity of the treated crops. Nutrient penetration into the tissues is also enhanced reducing stress due to climatic factors and/or pesticide treatments.

The product can be used both as a foliar application and in fertigation systems.

#### DOSAGE AND USAGE PROCEDURES Top Fruit - Grapes - Olive 300 g/HI Floriculture 300 g/Hl and Greenhouse vegetables **Field vegetables** 250 g/Hl 4-5 Kg/Ha Cereal



#### COMPOSITION

Total Nitrogen (N)9%	ó
Organic Nitrogen (N)9%	
Biological Organic Carbon (C)25%	ó

#### AMINOGRAM (gr/100 gr di amino acid)

	Aspartic Acid	5,70
	Glutamic Acid	10,42
	Alanine	
	Arginine	
	Cysteine	
	Phenylalanine	
	Glycine	25,31
	Hydroxyproline	
	Isoleucine	
	Istidine	
	Leucine	
	Lysine	4.46
	Methionine	
	Proline	13,97
	Serine	
	Tyrosine	
	Threonine	
	Tryptophan	
	Valine	
Tanks		, -
Kg. 6-30		

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area. MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED.

**Bottles** 

Kg. 1





Calcium Oxide (CaO).....12% water soluble coformulated with proteininc extracts

### **BIOCAL** CALCIUM BASED LIQUID FERTILIZER

**BIOCAL** is formulated to ensure a high nutrition in calcium coformulated with proteininc extracts helping the crops to develop their natural defence system. The plants are more resistant and promptly overcome all the types of stress. The high content in calcium improves the colour and texture of the fruits increasing production yields.

#### DOSAGE AND USAGE PROCEDURES

Fruit trees Vegetables

150-200 g/100 lt water (foliar)





Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area. DO NOT MIX WITH FERTILIZERS CONTAINING PHOSPHOROUS.



# **BOROFLUID**

AS ETHANOLAMINE SALT

**BOROFLUID** is formulated to prevent and cure Boron shortages caused by imbalances and deficiencies in the assimilation of this element. Boron is essential for the crop's development and deficiency leads to decreased production, poor vegetative growth and loss of quality in the fruits. Boron moves poorly inside the crop and therefore has to be supplied as a preventative treatment.

**BOROFLUID** can be used both as a foliar application and in fertigation systems.

#### DOSAGE AND USAGE PROCEDURES

Citrus - Top Fruit	100 g/Hl (foliar)
Grapes	10 Kg/Ha (fertigation)
Olive	100 g/Hl (foliar) 10 Kg/Ha (fertigation)
Field	50-100 g/Hl (foliar)
vegetables	5-10 Kg/Ha (fertigation)
Floriculture	50-100 g/Hl (foliar) 5-10 Kg/Ha (fertigation)



Boron (B)11%	
water soluble	
(as ethanolamine salt)	







Total Nitrogen	(N)15%
Ureic Nitrogen	(N)15%
Zinc (Zn)	
Fixative agent: Surfactant	Polyether Silicone

#### DOSAGE AND USAGE PROCEDURES

Apply **FIXFOL** in foliar application at the dosage of 200 g per 100 liters water.



**FIXFOL** is studied to improve the efficacy of agrochemicals and foliar treatments. It guarantees a rapid wetting effect even on difficult surfaces such as waxy and tomentose leaves. **FIXFOL** allows a complete covering of the foliar surface and, thank to its fixative action, helps permeation of the active ingredients and prevents from rainwash. The high content of Zinc and Low Biuret ureic Nitrogen promotes leaves healing reducing treatment's stresses. The formulation is particularly suitable as coadjutant for herbicide treatments. **FIXFOL** enhances agrochemicals efficacy reducing considerably the losses due to rainwash and evaporation.



A traditional surfactant slightly increases the drop/leaf surface contact.



FIXFOL allows a complete spreading of the drop and guarantees the maximum possible contact surface. The fixative effect prevents losses of active ingredients due to rain-wash.



DO NOT MIX WITH ACID PRODUCTS. DO NOT MIX WITH OILS AND COPPER BASED PRODUCTS.



### **IRON SPRAY** " "the leaves'fertilizer"

#### CHELATED IRON IN SOLUBLE POWDER FORM FOR ALL THE CROPS

**IRON SPRAY** is a chelated iron powder formulation to prevent and cure chlorosis by foliar application. The high concentration (11%) rapidly corrects problems caused by iron deficiency and hence increases photosynthetic activity. Applications of **IRON SPRAY** are particularly suitable during phases of vegetative recovery.

#### DOSAGE AND USAGE PROCEDURES

Citrus - Top Friut - Olive	100-150 g/Hl
Grapes	50-100 g/Hl
Field and Greenhouse vegetables	50-100 g/Hl
Floriculture	50 g/Hl
Turf	100-150 g/Hl



Total chelated Iron (Fe)11%		
Iron (Fe) water soluble11%		
Chelating agent: DTPA		
Chelate stability pH range4,0-9,0		







Total Organic Nitrogen (N)	6%
Organic Nitrogen (N)6% water soluble	
Biological Organic Carbon (C)1	8%

#### AMINOGRAM (gr/100 gr di amino acid)

Aspartic Acid	6,20
Glutamic Acid	
Alanine	
Arginine	
Cysteine	
Phenylalanine	
Glycine	
Hydroxyproline	
Isoleucine	
Istidine	
Leucine	
Lysine	5,10
Methionine	1,05
Proline	14,03
Serine	2,00
Tyrosine	1,90
Threonine	
Tryptophan	0,85
Valine	2,98

## LEAFEED®

ORGANIC FERTILIZER WITH LOW MOLECULAR WEIGHT AMINO-ACIDS AND NATURAL AUXINS

**LEAFEED** is a natural organic fertilizer containing low molecular weight amino acids, vitamins and auxins easily absorbed by all crops both arboreal and herbaceous. Stimulates growth using the effect of natural enzymes. Particularly suitable in cases of stress due to excess heat or frost. Increases the absorption and efficiency of co-applied fertilizers. The composition of **LEAFEED** promotes stomatal opening thus improving foliar intake. **LEAFEED** can be used both as a foliar application and in fertigation systems.

#### DOSAGE AND USAGE PROCEDURES

Citrus - Top Fruit	250 g/Hl (foliar)
Grapes	10 Kg/Ha (fertigation)
Greenhouse vegetables	200 g/Hl (foliar)
Floriculture	10 Kg/Ha (fertigation)
Field vegetables	250 g/Hl (foliar) 10 Kg/Ha (fertigation)

IN CASE OF FOLIAR APPLICATION, MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED





Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area. MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED.



### **LEAFINE** PK FERTILIER WITH PHOSPHITE AND GROWTH PROMOTERS

**LEAFINE** is a new generation fertilizer that can be applied both in fertigation and in foliar application. Thank to its innovative formulation **LEAFINE** is reagily absorbed from roots and leaves helping vegetative and root growth. **LEAFINE** improves the texture of the fruits increasing production yields.

#### DOSAGE AND USAGE PROCEDURES

Citrus - Friut trees Grapes - Strawberries	100-200 g/Hl (foliar)
Vegetables	100-150 g/Hl (foliar)
Ornamental Plants	5-10 g/mq (foliar)
Arboreal Crops	20-40 kg/Ha (fertigation)
Vegetables	0,5-1 kg per 1000 mt (fertigation)



Phosphate (P2O5)42% water soluble
Potassium oxide (K2O)34% water soluble
Manganese (Mn) EDTA chelated0,5% water soluble
Zinc (Zn) EDTA chelated0,5% water soluble







Total Nitrogen (N)6,5%
Organic Nitrogen (N)6,5%
Biological Organic (C) Carbon18%
Enriched with Methionine and Phenylalanine

## MATURATUTTO L

MATURATION PRECURSOR

**MATURATUTTO L** is an organic fertilizer made with low molecular weight laevorotatory animo acids obtained from enzymatic hydrolysis and with a high content of Methionine and Phenylalanine. Methionine is precursor of ethylene, a vegetal hormone involved in plant germination and fruits maturation. Phenylalanine is precursor of anthocyanins and flavonols, the pigments responsible for fruits colouration.

Usage of **MATURATUTTO L** allows growth enhancement and plants germination, maturation improvement, better fruits size and pigmentation and sugar content. **MATURATUTTO L** activates the physiological process and improves the metabolic activity of the plants.

#### DOSAGE AND USAGE PROCEDURES (foliar applications)

Citrus - Fruit trees Table grapes	300 g/Hl
Kiwi	300-400 g/Hl
Field vegetables	250 g/Hl
Greenhouse vegetables	300 g/Hl
Strawberries	200 g/Hl





Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. DO NOT MIX WITH ACID PRODUCTS.



### MESO PLUS 24° LIOUID FERTILIZER CONTAINING CALCIUM AND MAGNESIUM

MESOPLUS 24 is a liquid fertilizer with an acid pH and high concentrations of Calcium and Magnesium to prevent and cure physiological fruit disorders and plant tissue collapse. The balanced ratio between the Nitrogen-Calcium and Magnesium produces stronger cell walls and tissue development helping to prevent premature collapse and retarding ageing.

MESOPLUS 24 can be used both as a foliar application and in fertigation systems.

#### DOSAGE AND USAGE PROCEDURES

Citrus	350 g/Hl (foliar) 20 Kg/Ha (fertigation)
Grapes Pomaceae	300 g/HI (foliar) 20 Kg/Ha (fertigation)
Field and Greenhouse vegetables	300 g/HI (foliar) 30 Kg/Ha (fertigation)
Floriculture	250 g/Hl (foliar) 3 Kg/1000 m <sup>2</sup> (fertigation)



Total Nitrogen (N)9,5%
Nitric Nitrogen (N)9,5%
Calcium Oxide (CaO)10,0% water soluble
Magnesium Oxide (MgO)5,0% water soluble







Total Nitrogen (N) Nitric Nitrogen (N)2%	16%
Ureic Nitrogen (N)14%	
Potassium Oxide (K <sub>2</sub> O) water soluble	8%
Magnesium Oxide (MgO) water soluble	4%
Boron (B) water soluble	2%
Copper (Cu) water soluble	1%
Iron (Fe) EDTA chelated	1%
Manganese (Mn) water soluble	2%
Molybdenum (Mo) water soluble0	,2%
Zinc (Zn) water soluble	2%
Biuret content	

### NEW-COMPLET NK FERTILIZER WITH MAGNESIUM AND MICRONUTRIENTS

**NEW-COMPLET** is a mineral fertilizer containing macro, meso and microelements obtained by special processing of hi-tech raw materials. The mixture, formulated by Pavoni technical staff, allows balanced foliar nutrition during the most important growth phases. The nutritional capability of NEW-**COMPLET** is complimented by a combination of auxins, gibberellins and cytokinins. This product accelerates cellular multiplication and stretching, promoting the formation of quality floral clusters even in the coldest months. Treatments with **NEW-COMPLET** are also beneficial during stress conditions, allowing good pollen production and hence pollination by bees. **NEW-COMPLET** improves fruit pigmentation, consistency of the cluster tissue and therefore limits the early drop during stripping and pruning. The product can be used on other horticultural crops, mixed with the most common pesticides and foliar fertilizers.

There are two products in the **NEW-COMPLET** range; one specifically formulated for tomatoes, the other for artichokes.

**NEW-COMPLET** can be used both as a foliar application and in fertigation systems.

#### DOSAGE AND USAGE PROCEDURES

Tomato	200-250 g/Hl (foliar) 5-10 Kg/Ha (fertigation)
Artichoke	300-500 g/Hl (foliar) 5-10 Kg/Ha (fertigation)
Other vegetables	150-200 g/HI (foliar) 5-10 Kg/Ha (fertigation)



Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area.





## NU-MIX spray

AND MICRONUTRIENTS

NU-MIX SPRAY is a foliar fertilizer made from highly pure raw materials. This product contains Ureic Nitrogen with low amounts of biuret allowing repeated usage on all crops even in periods of vegetative stress. The substantial levels of Magnesium, Zinc and Manganese as chelates completes the nutritional picture. Moreover the formulation includes a complex of vegetable extracts that facilitates intake of all the nutrients.

**NU-MIX SPRAY** can be used both as a foliar application and in fertigation systems.

#### DOSAGE AND USAGE PROCEDURES

Citrus - Top Fruit	300-500 g/HI
Grapes	300 g/Hl
Greenhouse vegetables	300 g/Hl
Field vegetables	300-500 g/HI
Floriculture	200-300 g/Hl



Total Nitrogen (N)18%
Nitric Nitrogen (N)1%
Ureic Nitrogen (N)17%
Potassium Oxide (K2O)5% water soluble
Magnesium Oxide (MgO)4% water soluble
Manganese (Mn)4% water soluble
Zinc (Zn) water soluble4%
Iron (Fe) EDTA chelated2% water soluble
Biuret content less than0,2%







Total Nitrogen (N)25% Nitric Nitrogen (N)1,5% Ureic Nitrogen (N)23,5%
from low biuret Urea
Potassium Oxide (K <sub>2</sub> O)5% water soluble
Magnesium Oxide (MgO)2% water soluble
Manganese (Mn)4,5% water soluble
Zinc (Zn) water soluble4,5%
pH 0,1%4,16
Electric Conductivity
(0,1% at 25° C, mS/cm)0,89
Solubility at 25°C (g/l H2O)800

## NU-ZIM<sup>®</sup> soluble

#### FOLIAR FERTILIZER IN SOLUBLE POWDER FORM CONTAINING NITROGEN, POTASSIUM, MAGNESIUM, ZINC AND MANGANESE

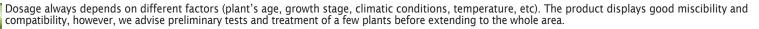
NU-ZIM is a foliar fertilizer made from highly pure raw materials allowing repeated treatments even at high dosage rates. The significant quantity of Ureic Nitrogen provides a plentiful supply of this vital element directly from the leaves in those periods when root intake is reduced. The low biuret content (less than 0.2%) allows repeated, problem free use of the product. The potassium supply is useful in the breathing and transpiration processes regulating the opening and closing of the leaf stomata. Magnesium, Zinc and Manganese (the micronutrients most usually deficient in crops) complete the nutritional picture.

**NU-ZIM** can be used both as a foliar application and in fertigation systems.

#### DOSAGE AND USAGE PROCEDURES

Citrus - Olive	750 g/Hl
Top Fruit - Grapes	300-400 g/HI
Field and Greenhouse vegetables	250-300 g/Hl

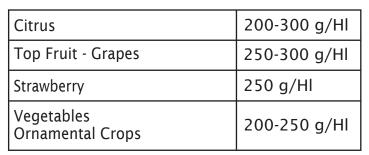




## PHOS-PHYTO® FOSFORT 30-20®

#### LIQUID FERTILIZERS BASED ON POTASSIUM PHOSPHITE

Foliar fertilizers with a high content of phosphorus in phosphite form. This particular chemical form of the phosphorus helps the plant to produce a greater quantity of natural defence substances (phyto-alexins). In this way, crops are more resistant to nutrient imbalances caused by climatic stress and pathogens. The products are suitable for the treatment of various crops during the growth phase of the plant, or at flowering, fruiting and ripening. The high content of Phosphorus. Potassium and micronutrients favours conduction of nutrient to the storage organs (fruits, seeds, roots). Conversion to starches and sugars improves the taste and texture of the crop and helps to reduce transit damage. PHOSPHYTO, in addition, brings low biuret ureic nitrogen supply allowing foliar nutrition with repeated, problem free, use of the product.



#### DOSAGE AND USAGE PROCEDURES



#### COMPOSITION

	PHOS PHYTO	FOSFORT 30-20
Total Ureic Nitrogen (N)	3%	-
Phosphate (P2O5) water soluble	27%	30%
Potassium Oxide (K2O) water soluble	18%	20%
Boron (B) water soluble	0,01%	0,01%
Copper (Cu) EDTA chelated	0,02%	0,02%
Iron (Fe) EDTA chelated	0,02%	0,02%
Manganese (Mn) EDTA chelated	0,01%	0,01%
Molybdenum (Mo) water soluble	0,001%	0,001%
Zinc (Zn) EDTA chelated	0,01%	0,01%



Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The best results are obtained with applications made during active vegetative growth but not when drought condit ions are present. DO NOT MIX WITH OTHER PRODUCTS. E SCONSIGLIATO L'UTILIZZO IN MISCELA CON ALTRI PRODOTTI.





## PHOS-PHYTO Cu

#### LIQUID NP FERTILIZER CONTAINING COPPER

**PHOS-PHYTO CU** is a foliar fertilizer containing Copper, Nitrogen and Phosphorous. It is particularly recommended for treating the plants during the phases of growth and ripening. The product's mix of ingredients favours the conduction of nutrients to the storage organs of the plant (fruits, seeds, roots). The enhanced conversion to starches and sugars improves the taste, colour and texture of the crop and helps to reduce transit damage. The particular chemical form of the Phosphorus helps the plant to produce a greater quantity of natural defence substances becoming more resistant to nutrient imbalances. The high content in Copper prevents and cures diseases caused by Phytophthora and Pythium. The product helps in fighting infections caused by some specific pathogens (Mycosphae-rella spp. and Septoria spp.).

Citrus - Fruit trees Grapes - Strawberries	100-200 g/Hl (foliar)
Vegetables	100-150 g/Hl (foliar)
Ornamental Plants	5-10 g/mq (foliar)
Arboreal Crops	20-40 kg/Ha (fertigation)
Vegetables	0,5-1 Kg per 1000 mt (fertigation)

#### DOSAGE AND USAGE PROCEDURES



Total Nitrogen (N)4,4%
Nitric Nitrogen (N)2,2%
Ammonium Nitrogen (N)2,2%
Phosphate (P2O5)14% water soluble
Copper (Cu)5% water soluble







Potassium Oxide (K2O)	
Organic Nitrogen (N)	1%
Betaine	0,1%
Mannitol	4%
Organic Carbon (C)	20%



ORGANIC FERTILIZER WITH WATER-SOLUBLE EXTRACT FROM BROWN ALGAE (ASCOPHILLUM NODOSUM)

SEAGROWING is a natural product composed of organic substances extracted through a physico-mechanical process from brown algae (Ascophyllum Nodosum). This method preserves the activity of natural constituents such as micronutrients, enzymes, vitamins and growth stimulators. SEAGROWING stimulates enzymatic processes acting as natural catalyst to promote balanced growth enabling the crop to fulfil its genetic potential. SEAGROWING is rapidly absorbed by foliar surfaces and moves into the cells increasing metabolic activity. SEAGROWING can be used both as a foliar application and in fertigation systems.

#### DOSAGE AND USAGE PROCEDURES

Citrus Top Fruit	150 g/Hl (foliar) 5 Kg/Ha (fertigation)
Grapes	100 g/HI (foliar) 5 Kg/Ha (fertigation)
Field and Greenhouse vegetables	100 g/HI (foliar) 5 Kg/Ha (fertigation)
Floriculture	100 g/Hl (foliar) 5 Kg/Ha (fertigation)

According to the DPR 26.10.1972, n 633, for  $\ensuremath{\text{SEAGROWING}}$  has to be applied a 10% VAT.



Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. 5-6 application are advised during the whole vegetative cycle. IN CASE OF FOLIAR APPLICATION, MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED.





# **SPRAY-FEED**<sup>®</sup> with micronutrients

FOLIAR FERTILIZER IN SOLUBLE POWDER FORM CONTAINING NITROGEN, PHOSPHORUS, POTASSIUM AND CHELATED MICRONUTRIENTS

**SPRAY-FEED** is a formulation particularly suitable for application during phases of vegetative recovery and fruit growth as well as in the prevention and cure of micro-nutrient deficiencies or whenever an immediate Nitrogen, Phosphorous or Potassium supply is required. The particular product formulation, with low-biuret Ureic Nitrogen and EDTA chelated micronutrients, provides a complete nutritional package and rapid assimilation.

**SPRAY-FEED** can be used both as a foliar application and in fertigation systems.

#### DOSAGE AND USAGE PROCEDURES

Citrus - Top Fruit - Olive	200-300 g/Hl
Grapes	250-300 g/Hl
Field and Greenhouse vegetable	200-300 g/Hl



SPRAY-FEED	20.20.20	30.10.10	6.40.30
Total Nitrogen (N)	20	30	6
Nitric Nitrogen (N)	5,7	2,8	4,6
Ammonium Nitrogen (N)	3,9	4,0	1,4
Ureic Nitrogen (N)	10,4	23,2	-
Phosphate (P2O5) water soluble	20	10	40
Potassium Oxide (K2O) water soluble	20	10	30
Boron (B) water soluble	0,02	0,02	0,02
Copper (Cu) EDTA chelated	0,02	0,02	0,02
Iron (Fe) EDTA chelated	0,05	0,05	0,05
Manganese (Mn) EDTA chelated	0,03	0,03	0,03
Molybdenum (Mo) water soluble	0,01	0,01	0,01
Zinc (Zn) EDTA chelated	0,01	0,01	0,01
Chelate stability pH range4,0-9,0			







### STINOLEAF BIOSTIMULANT ORGANIC FLUID FERTILIZER

**STIMOLEAF** is a natural bio-stimulant high in amino-acid content derived from the hydrolysis of animal proteins. **STIMOLEAF** is formulated to increase vegetative growth, especially applicable after unfavorable climatic conditions (frosts, strong winds, hail, etc.)

#### DOSAGE AND USAGE PROCEDURES

Citrus - Fruit trees	300 g/Hl (foliar)
Grapes	10 Kg/Ha (fertigation)
Open Field vegetables	250 g/Hl (foliar) 10 Kg/Ha (fertigation)
Greenhouse vegetables	300 g/Hl (foliar)
Floriculture	10 Kg/Ha (fertigation)





Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area. MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED.