ARCHIT
ORGANOSYS

A leading manufacturer and supplier of Organic Chemicals, Cosmetic Products, Adhesives and Sealants.

Our Mission

We shall strive to be a value based organization seeking professional excellence in all our products, processes and services and creating wealth to serve the society at large.

Our Vision

Our vision is to make our customers believe that they have purchased a world-class product from a world class manufacturer. We wish to satisfy the customer by continuously improving our quality and upgrading our technology as per the customers requirements.

About Us

Archit Organosys Ltd started its operations in 1989, by the name of Shri Chlochem Ltd in a small of way with a few chemical molecules. Today Archit Organosys Ltd is on the forefront in the Indian Chemical Industry, producing a variety of Organic Chemicals, Specialty Derivatives, Adhesives & Sealants.

We have 24 years of manufacturing experience in Monochloroacetic Acid & Sodium Monochloroacetate, which is used in the synthesis of various Agricultural Chemicals, Cosmetic Surfactants, Oil Drilling Chemicals, Plastic Additives etc. This legacy has helped us understand the world of organic chemical. The Company's fundamental focus is to innovate, collaborate and enhance the process of serving products to the market and its customers. Archit Organosys Ltd has maintained a steady growth over the years and has matured itself in capturing a major share in the market & successfully expanded its horizon in USA, Europe, Middle East and across 50 countries.

Care for Environment

Environment is no more a fad to be indulged in; it is and should be a prime concern of everyone. The development of an enterprise in full compliance with protection and preservation of a healthy environment is one of the highest priorities. The actual activities of the company in the region and, above all, the results achieved during several last years have provided evidence that an environment-friendly production is not a hollow phrase to the company.

We are well concerned about health and safety. We therefore strictly adhere to safety norms in our premises, laid down by various Government bodies.

The company is committed to developing and implementing the best manufacturing technology, with continuous up gradations, to achieve 'zero impact' on the environment

Monochloro Acetic Acid (MCA)

ULTRA PURE GRADE

Chemical Name	Monochloro Acetic Acid
Molecular Formula	$ClCH_2C00H$
Cas No.	79-11-8
Molecular Weight	94-50

SPECIFICATIONS

Description	White Crystalline Flakes with Pungent Smell.
Solubility	Highly Soluble in Water
Monochloro Acetic Acid	Percent by Mass, min 99.75
Dichloroacetic Acid	Percent by Mass, max. 0.05
Moisture Content	Percent by Mass, max 0.2
Setting Point Degree C	Min. 61°
Iron Salts (as FE)	max 5 PPM

SPECIAL GRADE

Chemical Name	Monochloro Acetic Acid
Molecular Formula	$ClCH_2C00H$
Cas No.	79-11-8
Molecular Weight	94-50

SPECIFICATIONS

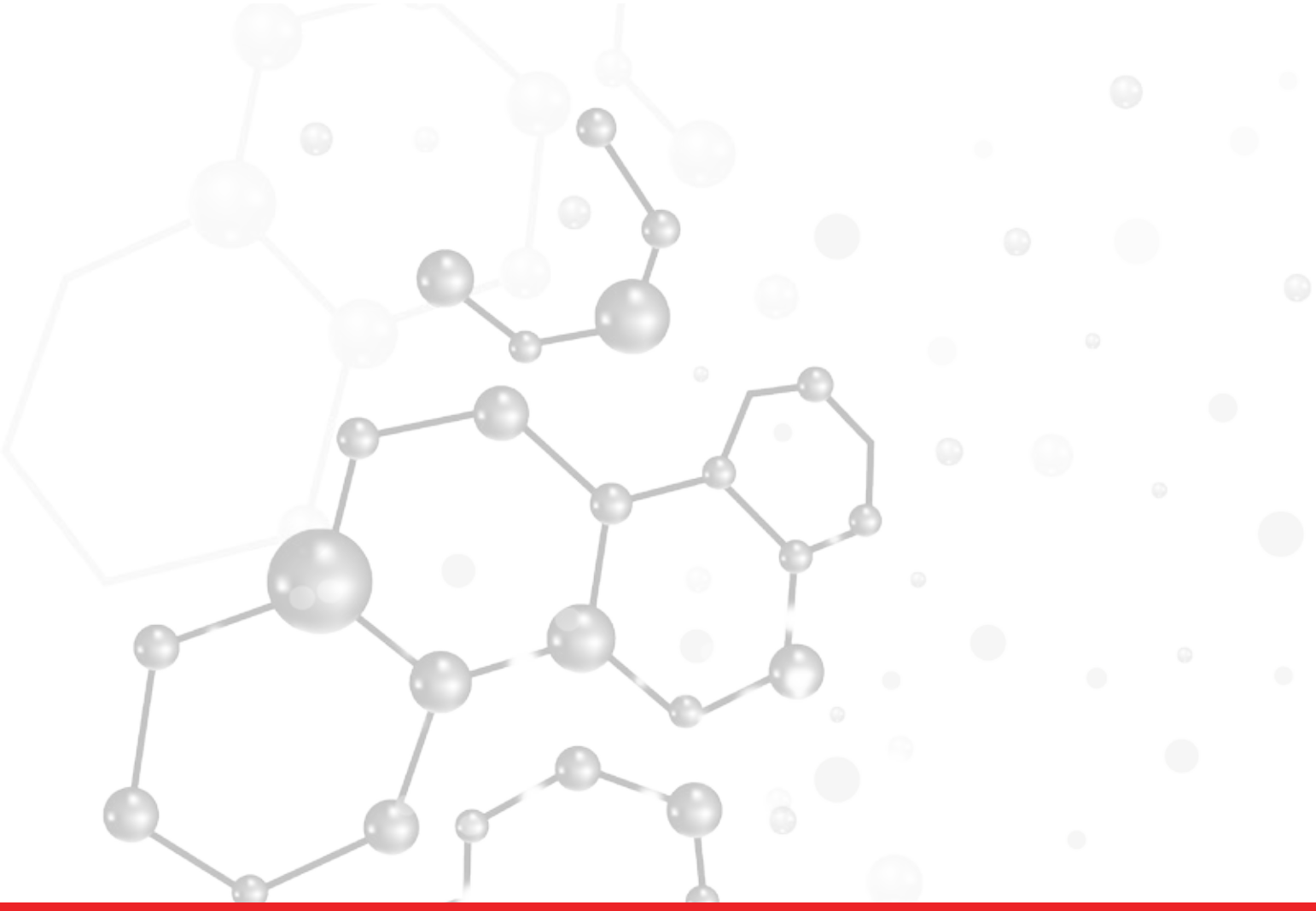
Description	White Crystalline Flakes with Pungent Smell.
Solubility	Highly Soluble in Water
Monochloro Acetic Acid	Percent by Mass, min 99.5
Dichloroacetic Acid	Percent by Mass, max. 0.2
Moisture Content	Percent by Mass, max 0.2
Setting Point Degree C	Min. 61°
Iron Salts (as FE)	max 5 PPM

ULTRA PURE GRADE, 80% IN WATER

Chemical Name	Monochloro Acetic Acid
Molecular Formula	$ClCH_2C00H$
Cas No.	79-11-8
Molecular Weight	94-50

SPECIFICATIONS

Description	Water white liquid with pungent smell.
Monochloro Acetic Acid	Percent by Mass, min 79-80
Dichloroacetic Acid	Percent by Mass, max. 0.05
Moisture Content	Percent by Mass, max 20
Setting Point Degree C	Min. 61°
Iron Salts (as FE)	Percent by Mass, max 5 PPM



Sodium Monochloro Acetate (SMCA)

ULTRA PURE GRADE

Chemical Name	Sodium Monochloro Acetate
Molecular Formula	$ClCH_2C00Na$
Cas No.	3926-62-3
Molecular Weight	116.5

SPECIFICATIONS

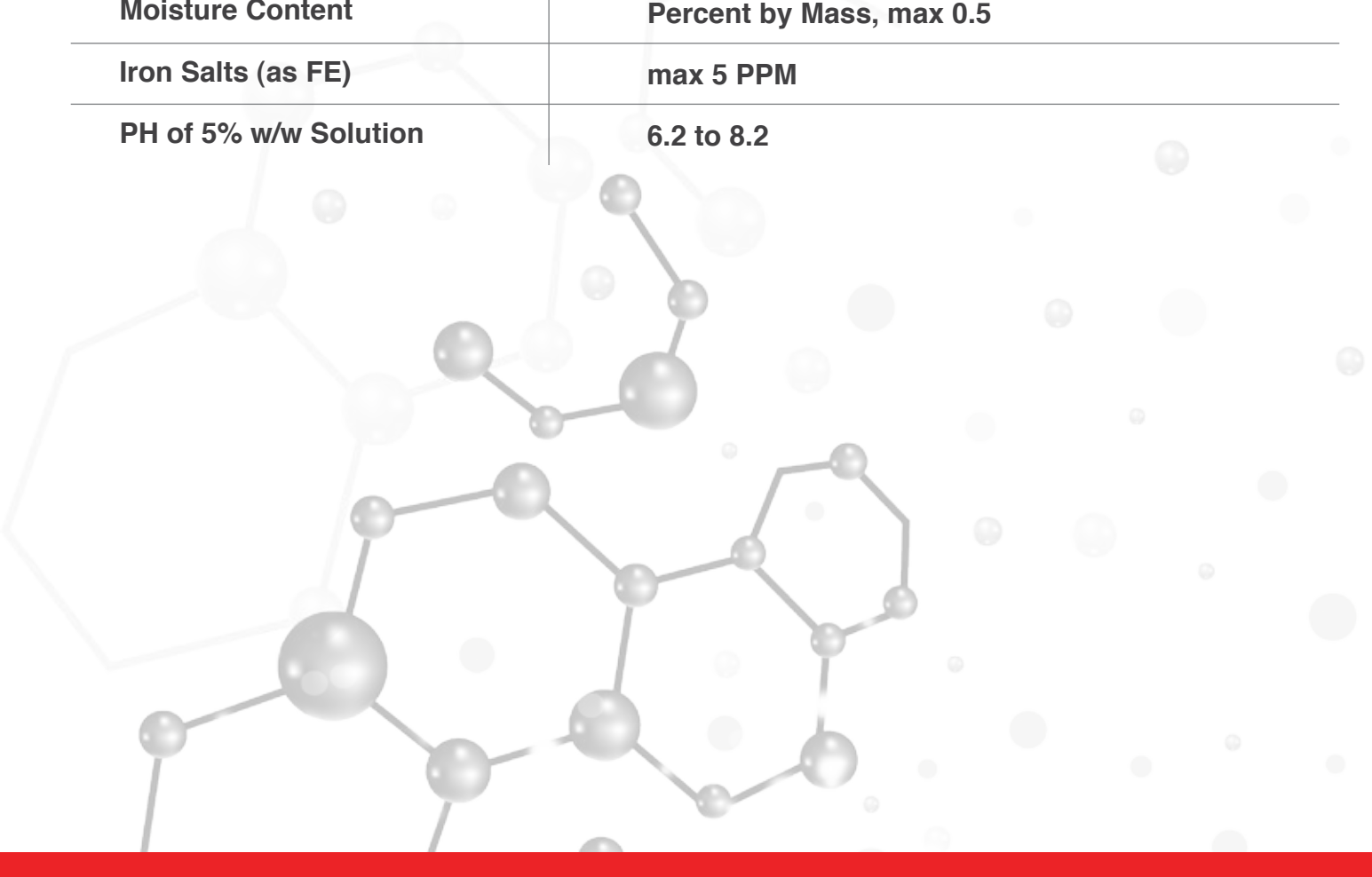
Description	Very hygroscopic white powder.
Solubility	Souble in water
Specification	Sodium Monochloro Acetate min. % by Mass 98.5
Sodium Chloride (as NaCl)	Percent by Mass, max 0.5
Free Monochloro Acetic Acid	Percent by Mass, max 0.05
Sodium Dichloroacetate	Percent by Mass, max 0.05
Sodium Glycolate	Percent by Mass, max 0.20
Moisture Content	Percent by Mass, max 0.5
Iron Salts (as FE)	max 5 PPM
PH of 5% w/w Solution	6.2 to 8.2

SPECIAL GRADE

Chemical Name	Sodium Monochloro Acetate
Molecular Formula	$ClCH_2C00Na$
Cas No.	3926-62-3
Molecular Weight	116.5

SPECIFICATIONS

Description	Very hygroscopic white powder.
Solubility	Souble in water
Specification	Sodium Monochloro Acetate min. % by Mass 98.5
Sodium Chloride (as NaCl)	Percent by Mass, max 0.5
Free Monochloro Acetic Acid	Percent by Mass, max 0.05
Sodium Dichloroacetate	Percent by Mass, max 0.20
Sodium Glycolate	Percent by Mass, max 0.20
Moisture Content	Percent by Mass, max 0.5
Iron Salts (as FE)	max 5 PPM
PH of 5% w/w Solution	6.2 to 8.2



Chloro Acetyl Chloride (CAC)

ULTRA PURE GRADE

Chemical Name	Chloro Acetyl Chloride
Molecular Formula	$ClCH_2COCl$
Cas No.	79-04-9
Molecular Weight	113

SPECIFICATIONS

Appearance	Clear Colorless Liquid with Pungent Odor.
Pungent Odor. Assay [By G.C.]	99.8 % Min.
Specific Gravity at 20°C	1.42
Boiling Range	105 – 107°C
DCA Contents	Percent by Mass, Max 0.1
SO2 Contents	Percent by Mass, Max 0.1
Solubility	Partially soluble in Di-ethyl Ether, Acetone

Poly Aluminium Chloride (PAC)

Chemical Name	Poiy Aluminium Chloride
Cas No.	1327-41-9

SPECIFICATIONS

Characteristic	PAC 10 - Medium Basicity
Appearance	Clear Pale Yellow Liquid
Aluminium as Al_2O_3	Percent by Mass, 10.0 + 0.5
Basicity	Percent by Mass, 40.0 + 5.0
Chloride as Cl^-	Percent by Mass, 11.5 + 1.0
Sulphate as SO_4, (Max)	Percent by Mass, 2.7
Specific Gravity at 25°C	1.2 + 0.04
Bulk Density	NA
Insolubles, Max	Percent by Mass, 0.5
pH of 5% Solution	1.8 - 4.5

PAC 10 - HIGH BASICTY

Chemical Name	Poiy Aluminium Chloride
Cas No.	1327-41-9

SPECIFICATIONS

Characteristic	PAC 10 - High Basicity
Appearance	Clear Pale Yellow Liquid
Aluminium as Al_2O_3	Percent by Mass, 10.5 + 0.3
Basicity	Percent by Mass, 64 (Min)
Chloride as Cl^-	Percent by Mass, 9.5 + 1.0
Sulphate as SO_4, (Max)	Percent by Mass, 2.5
Specific Gravity at 25°C	1.2 + 0.02
Bulk Density	NA
Insolubles, Max	Percent by Mass, 0.5
pH of 5% Solution	2.5 - 4.5

PAC 14

Chemical Name	Poiy Aluminium Chloride
Cas No.	1327-41-9

SPECIFICATIONS

Characteristic	PAC 14
	pale yellow
Appearance	pale yellow Liquid
Aluminium as Al_2O_3	Percent by Mass, 13.5 + 0.5
Basicity	-
Chloride as Cl^-	Percent by Mass, 20.5 + 1.5
Sulphate as SO_4, (Max)	Nil
Specific Gravity at 25°C	1.32 + 0.02
Bulk Density	NA
Insolubles, Max	-
pH of 5% Solution	1.8 - 4.5

PAC 18

Chemical Name	Poiy Aluminium Chloride
Cas No.	1327-41-9

SPECIFICATIONS

Characteristic	PAC 18
	pale yellow
Appearance	Clear pale yellow Liquid
Aluminium as Al_2O_3	Percent by Mass,17.5 + 1.0
Basicity	Percent by Mass, 45.0 + 5.0
Chloride as Cl^-	Percent by Mass, 20.5 + 1.5
Sulphate as SO_4, (Max)	Nil
Specific Gravity at 25°C	1.37 + 0.02
Bulk Density	NA
Insolubles, Max	-
pH of 5% Solution	1.8 - 4.5

PAC 30 - MEDIUM BASICTY

Chemical Name	Poiy Aluminium Chloride
Cas No.	1327-41-9

SPECIFICATIONS

Characteristic	PAC 30 - Medium Basicity
Appearance	Pale Yellow Powder
Aluminium as Al_2O_3	Percent by Mass, 29.0 + 1.0
Basicity	Percent by Mass, 40.0 + 5.0
Chloride as Cl^-	Percent by Mass, 33.0 +2.0
Sulphate as SO_4, (Max)	Percent by Mass, 10
Specific Gravity at 25°C	NA
Bulk Density	0.65(Min)
Insolubles, Max	Percent by Mass, 1.5
pH of 5% Solution	1.8 - 4.5

PAC 30 - HIGH BASICTY

Chemical Name	Poiy Aluminium Chloride
Cas No.	1327-41-9

SPECIFICATIONS

Characteristic	PAC 30 - High Basicity
Appearance	Pale Yellow Powder
Aluminium as Al_2O_3	Percent by Mass, 29.0 + 1.0
Basicity	Percent by Mass, 64 (Min)
Chloride as Cl^-	Percent by Mass, 29.0 + 2.0
Sulphate as SO_4, (Max)	Percent by Mass, 10
Specific Gravity at 25°C	NA
Bulk Density	gm/ml
Insolubles, Max	Percent by Mass, 1.5
pH of 5% Solution	2.5 - 4.5

Organic Agro Products

INFORMATION

PACK SIZES

Available in 250ml, 500ml & 1 ltr

WHAT IS MARVAL?

Marval is a Plant Growth Enhancer capturing the richest source of natural growth stimulants like any Plant Growth Enhancer in the world.

WHY CHOOSE MARVAL?

Marval comes from Organic Plant waste, because the processing plant is located in the area of harvest to capture all the essential substances known as natural plant growth enhancers found in the stems of Plants.

WHAT MAKES MARVAL SO PLANT HEALTHY?

- Natural Trace Elements

Marval contains natural trace elements, simple and complex sugars in a balanced form that increase the efficiency of foliar absorption and stimulate root growth development. This triggers a chain of complex interactions between the roots, soil,microorganisms and fungi.The plant roots secrete sugars and other compounds into the soil to feed the soil bacteria and fungi. In return, they convert insoluble nutrients, often unavailable to the plant into a form the plant roots can utilize. This enables the plant to benefit from the nutrients and moisture around it that would not normally be possible.

- Reduced Plant Stress

The Betains in Marval are responsible for increasing the plants defence system and play a key role in helping plants survive frosts, drought and saline conditions.

- Increased Resistance to Insect & Fungal Attack

The Phenolic compounds and Cytokinins contained in Marval increase the plants resistance to disease, fungal attack and that caused by sucking insects as well as stimulate greater root growth development, resulting in healthier plants.

- Enhanced Shelf Life

The Cytokinins in Marval stimulate cell division resulting in firmer fruit, delayed fruit drop, improved handling and keeping quality. They are also involved with shoot growth, flower and seed development contributing to increased yield of some crops by delaying the dying off process (leaf senescence) and extending the growth period.

• Improved Flowering and Fruit Development

The Auxins in Marval are naturally occurring plant growth hormones, vital to root hair growth development. They are important in the development of flower buds, fruit set and rachis stretch (more open bunches) in grapes. They send root exudates into the soil around the root zone. These exudates feeds the soil bacteria, which in turn breaks down the nutrients locked up in the soil to make them available to the plants with auxins and betains playing an important part in increasing the amount of root exudes delivered.

Benefits From Marval

When used in conjunction with an adequate fertiliser program Marval will:

- Promote deeper and more extensive root development
- Improve plant ability to uptake soil nutrients & trace elements
- Provide a natural resistance to insect and fungal attack
- Significantly increases frost and drought tolerance
- Improve fruit set and quality
- Reduce nutrient leaching
- Improve leaf colour
- Enhance the natural sugar content of some fruits & plants
- Stimulate good soil bacteria and worm activity
- Reduce nematode and fungal infestations