



# **Chemy Gostar Aran company**

**Manufacture of Chemical Material**

**Jan 2023**



## About us

Chemy Gostar Aran Company was established in 2004 with the aim of producing chemicals needed by domestic and foreign markets, and after about 15 years of activity in the fields related to the production of granite tile colors and chemical fertilizers, in 2018 its mission have been changed to innovative and strategic materials productions . This company also operates in the other technological fields related to chemicals.

At the present, the workshop production of this product is being done in Kashan, Iran, and a factory is being set up in Amirkabir town on a land area of 10,000 square meters. Products manufactured by the company include synthetic magnesium hydroxide, magnesium chloride, calcium chloride, strontium carbonate and water treatment gel, which was produced for the first time in Iran at Chemy Gostar Aran Company. Also, this company provides consulting services regarding the chemical problems of manufacturing companies.

Since its establishment, Chemy Gostar Aran Company has put the production of quality products based on global standards at the top of its plans and goals. At Chemy Gostar Aran Company, we are interested in creating a network of values and we try to fulfill our values.



## Features of the company

- 1 Having capable and expert forces in various fields
- 2 Having facilities such as specialized laboratory, workshop and equipment
- 3 Sufficient ability and experience in the technical field and design of equipment and production line
- 4 Existence of managers with knowledge and expertise in different fields
- 5 Capability in the field of marketing and sales of products
- 6 The presence of experienced people along with academic experts





company's information



**Chemystar Aran**



**Limited Company  
Established in 2005**



**+983155805062  
+989133605506**



**WWW.Chemystar.Com  
Info@Chemystar.Com**



**Amir Kabir Industrial town,  
Kashan 2 industrial town**



**Instagram/Chemystar**



## Product



Calcium Chloride

Calcium chloride is a chemical compound consisting of calcium and chlorine. This product is available in both soluble (35%) and solid forms (94% granule) The application of this product in drilling, oil and gas, ice and snow melting on roads, as well as soil stabilization and control of dust and particulates on roads and deserts and industrial processes such as plastic, calcium salt production and facilitating the process Sewage treatment and accelerates the clogging process in concrete

### Applications

- Oil and gas drilling
- Melting ice and snow on the roads
- Soil stabilization and dust control
- Accelerating the clogging process in concrete
- Wastewater treatment process

## Analysis

ELEMENT	PERCENTAGE / RANGE
$\text{CaCl}_2$	36 ± 0.5 %
$\text{MgCl}_2$	0.2 % (max)
pH	9-10
Fe	18 ppm

ELEMENT	PERCENTAGE / RANGE
Anhydrous $\text{CaCl}_2$	94 ± 1 %
Total Alkali Chlorides(as NaCl)	4 % (max)
$\text{MgCl}_2$	0.5 (max)
$\text{Ca(OH)}_2$	0.2 (max)
Particle size	1- 4 mm



## Product



**Magnesium  
Chloride**

Magnesium chloride with the chemical formula  $\text{MgCl}_2$  is an important compound with various applications in road construction, abrasive, agricultural, food, pharmaceutical, and leather industries. This solution is available in two forms: 28-30% solution and solid powder

### Applications

- Abrasive industries
- Stabilization of roads
- agriculture
- industrial

## Analysis

ELEMENT	PERCENTAGE /RANGE
$\text{MgCl}_2$	29.5 % (min)
$\text{CaCl}_2$	0.5 % (max)
pH	7.5 - 8.0



## Product



Strontium carbonate with the chemical formula  $\text{SrCo}_3$  is a white, odorless and tasteless powder. This product is used in various industries such as zinc and glass industries



**Strontium  
Carbonate**

### Applications

- zinc industries
- Glass industry
- pharmaceutical Industries

## Analysis

ELEMENT	PERCENTAGE /RANGE
$\text{SrCo}_3 + \text{BaCo}_3$	98.4 % (min)
$\text{SrCo}_3$	96.2 % (min)
$\text{CaCo}_3$	0.25
$\text{BaCo}_3$	2.2



## Product



Magnesium hydroxide with the chemical formula  $Mg(OH)_2$  is an efficient and safe alkaline product for purification, flue gas cleaning and pulp bleaching.

### Applications

- Wastewater and industrial water treatment
- Livestock and poultry industries
- Tile and ceramic industries
- Rubber industry



Magnesium  
Hydroxide

## Analysis

ELEMENT	PERCENTAGE / RANGE
MgO	65 - 66 % (min)
CaO	1.6 - 2 % (max)
$Fe_2O_3$	0.01 - 0.03 %
LOI	31 - 32 %
Cl <sup>-</sup> Ion	0.16%
Other Oxides	0.5 - 0.6 %
size distribution	≤150 micron
Processing specification	synthetic





## Product



**MgO**

**Magnesium Oxide**

Magnesium oxide is an oxide of the alkaline earth metal magnesium with the chemical formula  $MgO$ , which is a white, odorless and tasteless powder

### Applications

- Wastewater and industrial water treatment
- Livestock and poultry industries
- agriculture
- Abrasive industries
- Refractory and refractory industries

## Analysis

ELEMENT	PERCENTAGE /RANGE
MgO	93-95 % (min)
CaO	1.6 -2 % (max)
$Fe_2O_3$	0.16 %
$B_2O_3$	0.05 % (max)
LOI	5 - 6 %
Cl <sup>-</sup> Ion	0.16%
Other Oxides	
size distribution	≤150 micron
Processing specification	synthetic and calcined



## Product



Waste Water Treatment Gel has been produced for the first time by ChemyGostar Aran Company. This product is used to help separate and settle the suspended particles of wastewater in various industries and wastewater treatment. This product can also be used in urban waste water treatment in big cities.

**Waste Water  
Treatment Gel**

### Applications:

- Sedimentation of suspended solids of industrial effluents and municipal waste leachates
- Absorption of fine and micronized particles





# Licenses and honors



The best plan of the vice-chancellor of technology and innovation Ministry of Science, Research and Technology

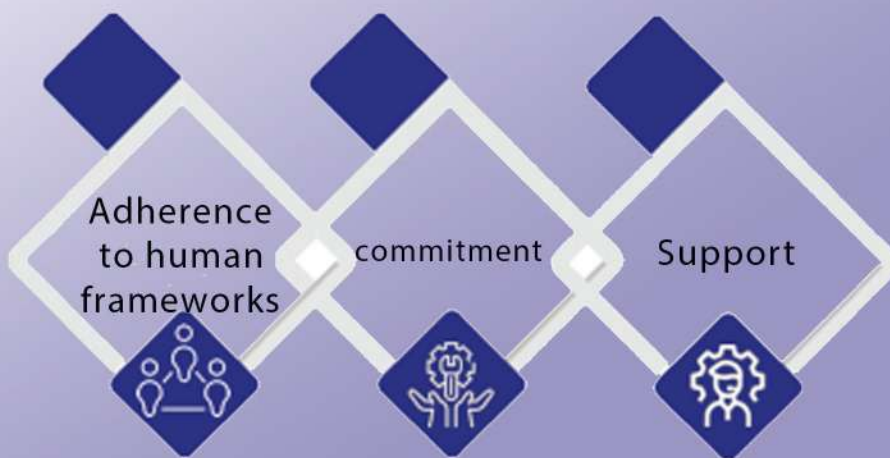
The best idea for employment and entrepreneurship Ministry of Labor Cooperation and Social Welfare



Technology unit license From Isfahan Scientific Research Town



## Values





**Contact Us**



**Manufacturer of strategic chemical products**



**+983155805062**

**+989133605506**



**Info@ChemyGostar.Com**



**WWW.ChemyGostar.Com**



**Amir Kabir Industrial town, Kashan, Iran**



**Kashan Science & Technology Park**