



MATERIAL SAFETY DATA SHEET

Poly Aluminium Chloride Powder

PAC ผงค้ำ

SECTION 1 IDENTIFICATION	
Trade Marks and Synonyms (if any)	Chemical Names and Synonyms
Poly Aluminium Chloride	PAC ผงค้ำ
Physical Form	Powder Form
khaki powder	$[Al_2(OH)_nCl_{6-m}]_m \quad 1 < m < 10, \quad n < 5$
Distribution:	Future Chem Asia Co.,Ltd.
	29/67-68 Moo 7, Srinakarin Road, Teeparuk, Muang, Samutprakarn 10270

SECTION 2 INFORMATION ON INGREDIENTS		
Ingredients	Classification	CAS No.
$Al_{13}O_4OH_{24}(H_2O)_{24}(H_2O)_{12}^{7+}$	Slight Irritant odor	1327-41-9

SECTION 3 HAZARDS IDENTIFICATION	
Risk of damage to eyes. Prolonged contact with skin may cause possible dermatitis.	
Occupational Exposure Limit (TWA)	10mg/m3 total inhalable dust 5mg/m3 respirable dust



SECTION 4 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour :	khaki powder with slight odor		
Boiling Point	Melting Point	Flash Point (deg. C)	Specific Gravity
Not Available	Not Available	Not Available	1.19g/ml
Autoignition (deg. C)	Flammable Limit (% by Vol. in Air)		Vapour Pressure (mm Hg)
Not Available	Not Available		Not Available
Solubility in Water	Solubility in Other Solvents		Oxidising Properties
Soluble	Not Available		Not Available

SECTION 5 STABILITY AND REACTIVITY

Stability	Unstable		Conditions to Avoid Avoid to inhale it in body and over heat
	Stable	X	
Incompatibility (Materials and Conditions to Avoid)			
Alkaline and Acid content, or other chemical materials			



SECTION 6 TOXICITY DATA

Short term effects of over exposure when :

In contact with skin :	Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin.
In contact with eyes :	Not expected to cause prolonged or significant eye irritation. Material is dusty and may scratch the surface of the eye
Inhaled :	May irritate the mucous membranes.
Ingested :	Very astringent to mouth, nose and throat,
Long Term Exposure :	No known effects

SECTION 7 FIRST AID MEASURES

Skin Contact :	To remove it from skin with soap water. Discard contaminated clothing and shoes or thoroughly clean before reuse. Get medical attention if any symptoms develop.
Eye Contact :	Immediately irrigate with water for at least 10 minutes.
	Seek medical attention if necessary.
Inhalation :	Remove from contaminated area. Obtain medical attention.
Ingestion :	Provided patient is conscious wash out mouth with water. Give the
Further Medical Advice:	If in doubt seek medical attention.



SECTION 8 FIRE AND EXPLOSIVE HAZARD DATA

Would any material saturated with this product be subject to spontaneous combustion ?	YES		Materials : None
	NO	X	
Fire Extinguishing Data Water or dry powder may be used in the vicinity of Aluminium Sulphate, keep containers cool with copious amounts of water.			
Fire Fighting Protective Equipment Wear full protective clothing better.			
Unusual Fire and Explosive Hazards In contact with metals, Polyaluminium Chloride may liberate the flammable gas Hydrogen.			

SECTION 9 PERSONAL PROTECTION

General Precautions : Eye and skin protection should be used when handling	
Ventilation Requirements : None	Respiratory Protection : Masks normally required.
Protective Clothing : Gloves and Acid resistant footwear are essential.	Eye protection : Goggles or full dust mask.



SECTION 13 ENVIRONMENTAL INFORMATION

Environmental Fate and Distribution

High tonnage material produced in wholly contained systems.

High tonnage material used in partially contained systems.

The substance is soluble in water.

Persistence and Degradation

Unlikely to cause harmful effects.

Remains indefinitely in the environment as Chloride.

Toxicity Toxicity Large discharges may contribute to the acidification of effluent treatment systems and will injure treatment organisms. The product is a primary coagulant and may cause solid settlement in treatment systems.

Effect on Effluent Treatment

Large discharges may contribute to the acidification of effluent treatment systems and will injure treatment organisms. The product is a primary coagulant and may cause solid settlement in treatment systems.

SECTION 14 REGULATORY INFORMATION

EEC Classification : **None Specified**

Hazard Symbol : **None Specified**

Risk Phrases :

Safety Phrases : **Keep out of reach of children (S2)**
In case of contact with eyes, rinse immediately with plenty of water and seek medical advise. (S26).



Future Chem Asia Co., Ltd.

29/67-68 Moo 7 Srinakarin Road, Teparuk, Muang, Samutprakarn 10270

Tel: +662 – 383-5473 Fax: +662 – 383 – 5474

Pag:7
Total Pages:7

SECTION 15 TRANSPORT INFORMATION

UN No. NR:1726	UN Pack. Group	ICAO/IATA Class
IMDG Class	ADR/RID Class:Low Hazard	ADR/RID Item

SECTION 16 OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.