



WATER SPECIALIST SUPPLY CO.,LTD.

Call : 034-440-851-3, 095-367-5790

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MATERIAL SAFETY DATA SHEET

POLY ALUMINIUM CHLORIDE

PRODUCT:POLY ALUMINIUM CHLORIDE

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

WATER SPECIALIST SUPPLY CO.,LTD.

78/7 Moo4 Khae Rai, Krathum Baen, Samut Sakhon 74110

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PREPARED BY..... Water Specialist Supply CO.,LTD
PREPARATION DATE..... 27/July/16
PRODUCT NAME.....Poly Aluminium Chloride
CHEMICAL FORMULA..... $Al_n(OH)_mCl_{3n-m}$,
. (Al (OH)_xCl_y (SO₄)_z)_n
. here $x > 1.05$, $x+y+2z=3$ & $n=15$.
MOLECULAR WEIGHT.....9.5 .
CHEMICAL FAMILY..... ACID .
EMERGENCY PHONE NO..... (+66)34-440-851 to 3 or (+66)95-367-5790

SECTION 02 : COMPOSITION/INFORMATION ON INGREDIENT

Content Ingredients	Ingredient to Hazardous	C.A.S.#
Poly Aluminium Chloride	YES	1327-41-9

U.N.NO.: None Allocated
DG CLASS: None Allocated
SUB RISK: None Allocated
HAZCHEM : None Allocated
POISON SCHEDULE: None Allocated
USES:Water treatment chemical.

SECTION 03: PHYSICAL DESCRIPTION/PROPERTIES

Appearance, odour : White,hygroscopic powder.

Melting Point : Not Available

Boiling Point : Not Available

Bulk Density : 0.65g/cm³

Vapour Density : Not Available

Vapour Pressure(20°C): Not Available

Flash Point(Closed cup): Not Available

Flammability Limits(%): Not Available

Autoignition Temp(°C) : Not Available

pH(1%Solution w/v) : 3.5 - 5.0

Solubility in water (g/L): Soluble

SECTION 04 :INGREDIENTS

Chemical Name CAS Number Proportion

Poly Aluminium Chloride 1327-41-9 >99%

SECTION 05: HAZARDS IDENTIFICATION

Potential Health Effects

No adverse health effects expected if the product is handled in accordance with safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

Inhalation : May irritate the mucous membrane.

Skin Contact : May cause irritation with prolonged contact.

Eye Contact : May cause eye irritation.

Ingestion : May cause nausea,vomiting and respiratory irritation.

Chronic Exposure : NO KNOWN EFFECTS.

SECTION 06 : FIRST AID MEASURES

INSTRUCTIONS:

Inhalation: Remove to fresh air. Seek medical attention if irritation persists.

Skin Contact :Wash with soap & water.Remove contaminated clothing,laundry clothes before reuse.If has a irritation persists seek medical advice.

Eye Contact :Immediately irrigate with copious quantities of water for at least 15 minutes.Eyelids to be held open.Seek medical advice.

Ingestion :Give water to drink.Do not induce vomiting.Seek immediate medical attention.

ADVICE TO DOCTOR

Treat symptomatically.

SECTION 07 : TOXICITY INFORMATION

No information available

PRECAUTIONS FOR USE

EXPOSE STANDARDS

No value assigned for this specific material by the National Occupational Health and Safety Commission(Worksafe Australia)

SECTION 08 : ENGINEER CONTROLS

Use in a well-ventilated area.Local exhaust ventilation is recommended.

PERSONAL PROTECTION

Avoid skin and eyes contact and inhalation of dust.Wear overalls,eye protection & gloves.Respiratory protection is require in dusty environment. Use an approved dust mask.Use with adequate ventilation.Always wash hands before smoking,eating,drinking or using the toilet,

FLAMMBILITY

Not flammable.

SECTION 09 : HANDLING AND STORAGE

Not defined as a dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Store in a cool place out of direct sunlight.Store in well ventilated area.Store away from oxidizing agent and foodstuffs.Prevent severe overheating as overheating may produce hydrogen chloride gas.

SPILLS

Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Sweep up but avoid generating dust. Collect and place in properly labelled containers for disposal. Residues may be flushed to drain with large amounts of water if permitted.

SECTION 10: DISPOSAL CONSIDERATIONS

Refer to State land Waste Management



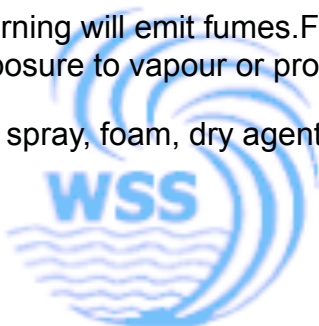
SECTION 11 : FIRE FIGHTING MEASURES

Material is non flammable. On burning will emit fumes. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

EXTINGUISHING MEDIA: Water spray, foam, dry agent (carbon dioxide, dry chemical powder).

ENVIRONMENTAL IMPACT

No known effects.



SECTION 12: STABILITY AND REACTIVITY

Stability:

Stable.

Hazardous Decomposition Product :

Hydrogen Chloride

Hazardous Polymerization :

Will not occur.

Incompatibilities :

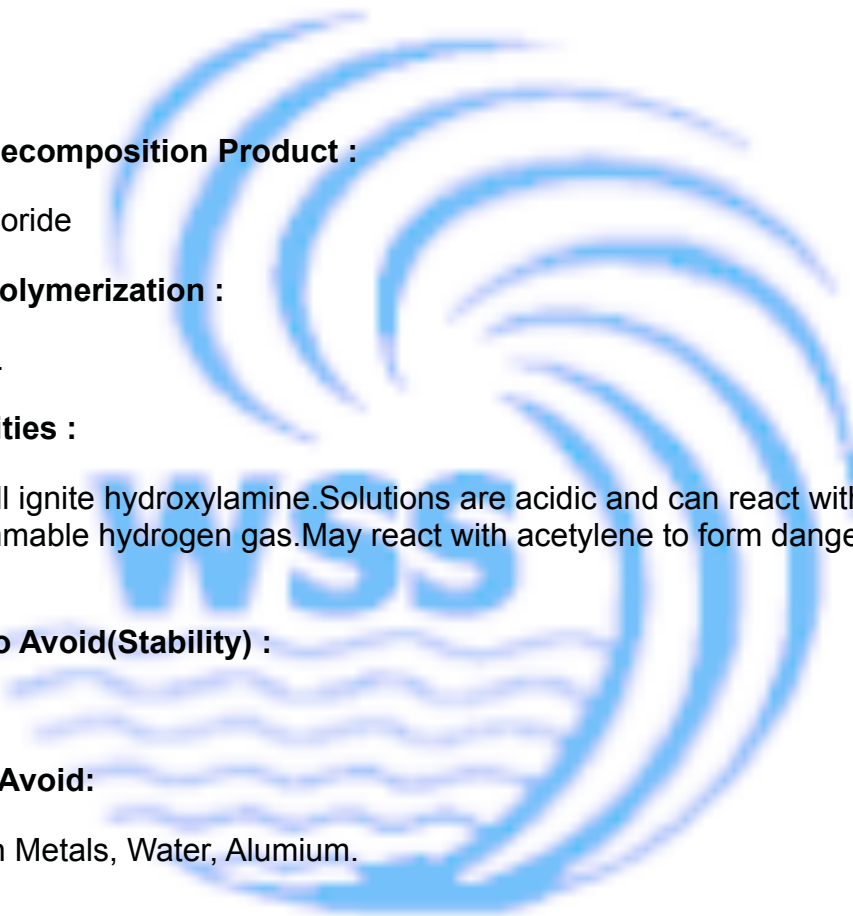
Substance will ignite hydroxylamine. Solutions are acidic and can react with magnesium to evolve flammable hydrogen gas. May react with acetylene to form dangerous acetylides.

Conditions to Avoid (Stability) :

Moisture.

Materials To Avoid:

Most common Metals, Water, Aluminium.



SECTION 13 : TOXICOLOGICAL INFORMATION

No Data Available....



SECTION 14 : ECOLOGICAL CONSIDERATION

No Data Available....



SECTION 15 : TRANSPORT INFORMATION

No Data Available...



SECTION 16 : CONTROL MEASURES

Respiratory Protection:None required where adequate ventilation conditions exist,if airborne concentration is high, use an appropriate respirator/dust mask.

Ventilation:Use adequate general/local exhaust to keep fume/dust levels as low as possible.

Protective Gloves:Rubber.

Eye Protection:Safety Goggles.

Other Protective Equipment:Protective clothing,Laboratory aprons.

SECTION 17 : OTHER INFORMATION

Principal references

This chemical is listed on the Australian Inventory of Chemical Substances(AICS).

Label First Aid :

If swallowed, induce vomiting immediately as directed by medical personnel.Never give anything by mouth to an unconscious person.Call a physician immediately.In case of contact,wipe off excess material from skin then immediately flush eyes or skin with plenty of water at least 15 minutes.Remove contaminated clothing and shoes.Wash clothing before reuse.Call a physician.if inhale,remove format fresh air.if not breathing,give artificial respiration.If not breathing is difficult,give oxygen.Call a physician.

Disclaimer :

Water Specialist Supply(WSS THAILAND) CO.,Ltd provide information contained here in good faith but make no representation as to its comprehensiveness or accuracy.This document is intended only as a guide to the appropriate precautionary handing of the material by a properly trained person using this product.Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

