


Material Safety Data Sheet

1. Identification of the Product & Company

Product Name : POTASSIOM CARBONATE
Other Name : —
Suggested Use and Restriction : No Restriction
Company Name, Address, and Telephone No. : Yee Fong Chemical & Industrial Co., Ltd. Taoyuan Plant/No. 377, Haihu E. Rd., Lujhu Township, Taoyuan County, Taiwan
Emergency Telephone No./Fax No. : TEL : (03) 3541944 ; FAX : (03) 3541957

2. Hazard Identification

GHS Classification : Acute Toxicity Category 4 , Corrosive/Skin Irritated Substance Category 2....
Label Element : <ul style="list-style-type: none">• Symbol : • Signal Word : Warning• Hazard Statement : Inbreathe causes nose and throat irritation, coughing, and sneezing. Eyes contact causes irritation, hurt, and tears. Skin contact causes irritation, itchiness, and burning. Ingest causes corrosive gastrospasm, vomit, diarrhea, blood circulation damaged, and even death.• Precautionary Statements :<ol style="list-style-type: none">1. Stored in Cool Places.2. Avoid to Breathing In or Contacting with Eyes and Skin.3. If in Eyes or Skin Contact, Rinse with Water and Seek for Medical Treatment.
Other Hazard : —

3. Composition, Information on Ingredients

English Name : Potassium Carbonate
Synonym : Salt of tar tar ; Pearl ash ; Potash ; Dipotassium salt ; Carbonic acid ; K-Gran Carbonate of potash
CAS No. : 00584-08-7
Hazardous Ingredients(%) : 99%

4. First Aid Measures

<p>First Aid Procedures Under Different Exposure :</p> <ul style="list-style-type: none"> • In Breathe : <ol style="list-style-type: none"> 1. Remove patient away from contaminants and move to air-freshing area. ° 2. Seek to medical treatment immediately. • Skin Contact : <ol style="list-style-type: none"> 1. Take off contaminated clothes immediately. 2. Rinse with warm water. 3. If the irritation is persisting, seek for medical treatment immediately. • Eye Contact : <ol style="list-style-type: none"> 1. Rinse with warm water immediately for 20 minutes. 2. Cautious of contaminated water flow into another eye. 3. Seek for medical treatment immediately. • Ingestion : <ol style="list-style-type: none"> 1. Do not feed if patient is unconscious or convulsion. 2. Do not vomit. 3. Give patient drink 240~300ml water to neutralize the chemicals. 4. If patient is vomiting, make his body forward and give water persistently. 5. Seek for medical treatment immediately.
The Most Dangerous Symptoms & Hazardous Effects : Irritation, Burning, Causes corrosive gastrospasm if over-ingest.
Protection for Medical Personnel : —
Doctor' s Advices : —

5. Fire Fighting Measures

Suitable Extinguishing : It is nonflammable, and selects suitable fire extinguisher aim at flaming substance.

Specific hazard that may be encountered when extinguishing : –
Specific Extinguishing Procedures : –
Specific Protection and Equipment for Fire-fighters : –

6. Accidental Release Measure

Personal Precautions : 1. Restrict to enter leaking area. ° 2. Keep the area cool and provide protective equipment. 3. Remove the chemicals which may react to 4. Stop or control leaking cautiously if possible.
Environmental Consideration : 1. Avoid leaking substances flushing into sewer system. 2. Reduce or handle leaking substances. 3. Wash with water for leftovers. 4. Absorb the leaking solution with sand or soil. 5. Recycle the solution or neutralize with acid.
Cleaning Methods: Refer to regulation, neutralize the solution and flush into wastewater processing station.

7. Handling & Storage

Handling : 1. Operate in cool area. 2. Wear suitable protective equipment.
Storage : 1. Stored in closed containers and keep away from the working place of dry and cold. 2. Stored in properly labeled containers and separate from acids and other incompatible chemicals.

8. Exposure Controls

Engineering Controls : –			
Control Parameters			
Average Allowable Concentration of Eight Hours Time Weighted	Average Allowable Concentration of Short Period	Maximum Allowable Concentration	Biological Indicators
2mg/m ³	–	–	–
Personal Protection : <ul style="list-style-type: none"> • Respiratory Protection : Protective Respirator • Hand Protection : Rubber Gloves • Eye Protection : Chemical Goggles • Skin & Body Protection : Wear Imperious clothing such as boots or body suits. Body and eye flushing equipment is required in working place. 			
Hygienic Measures : <ol style="list-style-type: none"> 1. Wear qualified protection. Examine every day whether it is damaged and renew in regular. 2. Take off contaminated clothes immediately after work and clean thoroughly. Do not wear contact lenses and be aware of personal sanitation in working place. 3. Do not smoke, eat, and drink. 4. Wash hands thoroughly after processing. 5. Health examination in regular. 			

9. Physical and Chemical Properties

Appearance : White granular powder , Easy deliquesce	Odor : Non Smell
Odor Threshold : –	Melting Point : 891°C
PH : Not Suitable	Boiling Point/Boiling Range : –
Inflammability (solid/ liquid) : –	Flash Point: Not Flammable
Decomposition : –	Test Method : –

Ignition Temperature : —	Explosion Limits : —
Vapor Pressure : Non Evaporate	Vapor Density : —
Density : —	Solubility : 112g/100ml 水
Octanol/Water Partition Coefficient (log Kow) : —	Evaporation Rate : —

10. Stability & Reactivity

Stability : STABLE ◦
Hazardous Reaction under Specific Conditions : NOT HAPPEN
Conditions to Avoid : STORE IN DRY AND COOL PLACE AND AVOID TO HUMID ENVIRONMENT
Substances to be Avoided : 1. ACID SUBSTANCES(AVOID TO REACT) 2. WATER(HIGH HYGROSCOPICITY, HEAT INCREASED IF DISSOLVE, CAUTIOUS OF BURNING)
Hazardous Decomposition : Heat Decomposed(碳氧化物)

11. Toxicological Information

Routes of Exposure: Acute→Inbreathe ; Chronic→Eyes Contact、Skin Contact and Ingest.
Symptoms : Skin contact causes irritation, burning, itchiness, inflammation
Acute Toxicity : --
Chronic Toxicity and Long-term Toxicity : --

12. Ecological Information

Eco-toxicity : --
Persistence and Degradability : No
Bioaccumulation : No
The Liquidity of the Soil :

Other Adverse effects :

13. Disposal Considerations

Refer to Toxic Chemical Substances Control Act, the industrial waste storage, clearance and processing methods and related laws, prohibit indiscriminate dumping.

14. Transport Information

UN NO. 1759
International Shipping Name : Potasssiom Carbonate
Hazard Classification of Transportation : CATEGORY 8
Packing Group : --
Marine Pollutant (Yes/No) : --
Specific Delivery Methods and Precautious : --

15. Regulatory Information

Applicable Laws & Regulation :
1. Labor Safety and Sanitation rules
2. The rules of the traffic safety
3. General rules of the dangerous and harmful materials
4. Standards of permissible concentration of harmful substances in the working environment

16. Other Information

Reference	
製表單位	Company: Yee Fong Chemical & Industrial Co., Ltd.

	Add./No. : Yee Fong Chemical & Industrial Co., Ltd. Taoyuan Plant/No.377, Haihu E. Rd., Lujhu Township, Taoyuan County, Taiwan. /(03)354-2161	
製表人	Position : Section Chief	Name(Signature): Bo-Wei Chen
製表日期	2012/1/10	

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