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| MATERIAL SAFETY DATA SHEET | MSDS NO.: | REVISION DATE: | PAGE |  Meghmani Finechem Ltd. |
| POTASSIM HYDROXIDE | 06 | 01/01/2015 | 1 of 3 | |

Meghmani Fine Chem Limited urges the customers receiving this Material Safety Data Sheet (MSDS) to study it carefully to become aware of hazards, if any, of the product involved. In the interest of Safety, you should notify your employee, agent & contractors about the information on this sheet, furnish a copy of each of your customers for the product, and request your customers to inform their employees and customers as well.

[1] CHEMICAL IDENTITY

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| Chemical Name : Potassium Hydroxide | Chemical Classification : Alkaline Inorganic Compound |
| Synonyms : Caustic potash, Potassium hydrate, Lye, Potassa, Hydroxyde de potassium, Potash. | Trade Name : Not pertinent |
| Formula : KOH Mol. Wt. : 56.11 | C A S No. : 1310-58-3 UN No.: 1813 |
| Regulated identification : | |
| Shipping Name : Potassium Hydroxide, Solid / Solution | Hazardous Waste ID No. : C |
| Codes / Label : Corrosive, Class 8 | Hazchem Code : |
| Hazardous Ingredients: Sodium Hydroxide | C A S No. : 1310-58-3 |

[2] PHYSICAL & CHEMICAL DATA


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| Boiling Range / Point : 1384°C | Physical State : Solid |
| Melting / Freezing Point : 380.0°C | Appearance : White flakes / pellets |
| Vapour Pressure : 60mmHg | Odour : Odorless |
| Vapour Density : Not pertinent | Evaporation Rate : Not pertinent |
| Specific Gravity / Density : 2.044 at 24°C | pH (Solution) : 13.0 |
| Solubility in water : Soluble | |

[3] FIRE & EXPLOSION HAZARD DATA

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| Flammability : No | Lower Explosive Limit : Not pertinent |
| TDG Flammability Class: Not pertinent | Upper Explosive Limit : Not pertinent |
| Flash Point : Not pertinent | Explosion Sensitivity to impact : Stable |
| Auto ignition temp. : Not pertinent | Explosion Sensitivity to Static Electricity : No |
| Hazardous products of combustion: | Emits toxic fumes of oxide of Potassium |
| Hazardous Polymerization : | Will not occur |
| Corrosive : Yes | Oxidizing properties : Yes |

[4] REACTIVITY DATA

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| Chemical Stability : Stable |
| Hazardous polymerization : Does not occur |
| Incompatibility : Highly reactive with acids. Reactive with organic materials, metals and moisture |
| Reactivity : Hygroscopic when dissolve in water or alcohol or when the solution is treated with acids, much heat is generated. Reacts violently with acids, halogens, halogenated hydrocarbons, maleic anhydride, organic anhydrides. When wet attacks metals such as |

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| Chemical Stability : Stable |
| Alluminium, tin, lead and zinc. |
| Hazardous Reaction : Not pertinent |

[5] HEALTH HAZARD DATA


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| Routes of entry : Inhalation, ingestion, eyes and skin | |
| Effects of Exposure / Symptoms : | |
| Inhalation : Severely irritating to the respiratory tract if inhaled | |
| Skin : Causes severe burns | |
| Eyes : Severe damage | |
| Ingestion : Causes severe damage to mucous membranes, throat, esophagus and stomach | |
| Emergency Treatment : | |
| Inhalation : Remove the victim from exposure. Support respiration, give oxygen, if necessary. | |
| Skin : Wash the affected area with plenty of water and soap. | |
| Eyes : Wash with plenty of water for 15 minutes. Seek medical aid immediately | |
| Ingestion : Give water or milk followed by vinegar or fruit juice. Do not induce vomiting | |
| TLV (ACGIH) : | STEL : Not listed |
| LC 50 : 80mg/l | Odour threshold : Odourless |
| NFPA Hazard Signals : Health - 3 | Flammability - 0 |
| Reactivity - 1 | Special - Not pertinent |

[6] PREVENTIVE MEASURES

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| Personal protective Equipment | Avoid contact with liquid or solid. Provide side covered safety goggles, face shield, dust type respirator, rubber hand gloves & rubber shoes. |
| Handling and storage Precautions | Keep in cool, dry and well ventilated place .Do not store above 23°C |


[7] EMERGENCY FIRST AID MEASURES

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| Fire | Non Combustible |
| Unusual Hazard | Keep the containers cool by spraying water if exposed to fire. Flammable gas may be produced on contact with metals. |
| Exposure | If eyes are affected, flush with plenty of water for 15 min. If the skin is affected, remove contaminated clothes and shoes, wash the affected area with plenty of water. If inhaled, remove the victim to fresh air area, support respiration, Seek medical aid immediately |
| Spills | Sweep and collect without making dust. Wash the |

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|-------------|---|
| Fire | Non Combustible |
| | surface with plenty of water and soap. Seal all waste in vapour tight plastic bags for eventual disposal. |

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[8] ADDITIONAL INFORMATION / REFERENCES

Additional Information: Violent reaction or ignition under appropriate conditions with acids, alcohols, p-bis(1,3-dibromoethyl) benzene, cyclopentadiene, germanium, hyponitrous acid, maleic anhydride, nitroalkanes, 2-nitrophenol, potassium peroxodisulfate, sugars, 2,2,3,3-tetrafluoropropanol, thorium dicarbide. Molten ortho -nitrophenol reacts violently with potassium hydroxide. When potassium hydroxide and tetrachloroethane are heated, a spontaneously flammable gas, chloroacetylene, is formed. When phosphorus is boiled in a solution of potassium hydroxide, phosphine gas is evolved which is spontaneously flammable. 1,2-Dichloroethylene and Potassium hydroxide reaction produces chloroacetylene which is spontaneously flammable in air. Potassium Persulfate and a little Potassium hydroxide and water will ignite. When wet, attacks metals such as aluminum, tin

Reference : MSDS from ICMA

[9] MANUFACTURERS / SUPPLIERS DATA

| | | |
|-------------------------|--|---|
| Name of the firm | Meghmani Fine Chem Ltd., | Contact Person in Emergency: GM (Works) |
| Mailing Address | CH1/CH2, GIDC Industrial Estate, Dahej Dist.: Bharuch, Gujarat (INDIA) | |
| Telephone Nos. | Fact.: 02641 - 256688 | |
| Fax | 02641 - 256666 | Rev No : 00 (01.01.2015) |

[10] DISCLAIMER

Information contained in this MSDS is believed to be reliable but no representation, guarantee or warranties of any kind are made as its accuracy. Suitability for a particular application or result to be obtained from them. It is up to the manufacturer / seller to ensure that the information contained in the MSDS is relevant to the product manufactured / handled or sold by him as the case may be. The MFL makes no warranties, expressed or implied, in respect of the adequacy of this document for any particular purpose.