



### SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

<b>Product Identification</b>	<b>KV-LITE POWEREX</b>
<b>Application &amp; Use</b>	Fire Extinguishing Dry Chemical Powder.
<b>Manufacturer Address</b>	<b>M/S K.V. FIRE CHEMICALS (INDIA ) PVT. LTD,</b> Kamala Nivas, Plot -32, lane -D, Sector -8, VASHI, Vashi, NAVI MUMBAI-400 703, INDIA Ph ; +91-22-27820827, FAX; +91-22-2782 4712 E mail: <a href="mailto:info@kvfire.com">info@kvfire.com</a> WEBSITE: <a href="http://www.kvfire.com">www.kvfire.com</a>
<b>Emergency Contact</b>	<b>(+) 91_9224108676</b>

### SECTION 2 - COMPOSITION

INGREDIENT	CONCENTRATION %	CAS No	HEALTH CLASS
Potassium Allophonate	60 - 80	26479-35-6	Xi R-22, 36, 37, 38, S-26, 36
Amorphous silica	1- 5	7631-86-9	Xi R-22, 36, 37, 38, S-26, 36
Methyl Hydrogen Polysiloxane	0.3 -1.1	63148-57-2	Xi R-22, 36, 37, 38, S-26, 36

### SECTION 3 - HAZARD IDENTIFICATION

Human health hazards	Not classified under CHIP
Ingestion	Ingestion is not expected route of entry, may cause irritation and discomfort.

### SECTION 4 - FIRST AID MEASURES

Skin	Wash immediately with plenty of clean water.If irritation persists,call for medical treatment.
Eye	Wash immediately with clean flowing water for at least 15 minutes, call for medical treatment if irritation/pain persists.
Ingestion	Wash with plenty of water. Give water to drink.Do not induce vomiting.Send immediately for medical attention.
Inhalation	Shift to fresh air, If there is breathing difficulty or cough, keep patient at rest,seated in maximum comfortable position.

### SECTION 5 - FIRE FIGHTING MEASURES

Fire fighting measures are not applicable as KVLITE POWEREX dry chemical powder is a fire extinguishing medium. If product packaging are involved in fire, then a suitable extinguishing agent should be applied. Evacuate all persons from area involved in fire, use PPE.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with skin & eyes.Do not breathe dust.
Personal Protections:	Wear protective clothing & eye protection equipment specified for normal operations.
Environmental precautions	
Spillage	No long term harm to environment is expected from accidental release of this product.
Clean up method	Sweep or vacuum clean the spill and place it in a closed container for safe disposal as per local regulations. Do not allow it to enter water body



## SECTION 7 - HANDLING AND STORAGE

Handling	No special handling techniques required, take normal precautions required to handle all chemical substances.
Storage	Store the product in original packing. Store product away from direct Sunlight and protect from humidity. Do not put into contact with strong acids, oxidising & reducing chemicals or other type of extinguishing agents.
Personal Protective Equipment- Fire Fighting	KVLITE Dry chemical powders will be used by professional fire fighters to control and extinguish flammable liquid fires. This process may involve exposure to heat, flame and possibly toxic vapours and fumes. It is normal procedure to wear appropriately designed personal protective equipments suitable for fire fighting operations.

## SECTION 8 - EXPOSURE CONTROL & PERSONAL PROTECTION

Occupational Exposure limit	OHSA TWA - 15 mg/m <sup>3</sup> . ACGIH TLV-TWA - 10 mg/m <sup>3</sup>
Ventilation & engineering control measures	Use only in well ventilated areas, avoid prolong, extensive or repeated inhalation or contact with eye and skin.
Personal Protective & Handling equipment	Body covering clothing recommended
Hand protection	Wear chemical gloves of approved type
Eye protection	Wear safety goggles of an approved type
Respiratory protection	Use dust mask

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Physical state	Free Flowing Powder
pH at 20° C (1 % dispersion)	7 - 9.0
Boiling Point	Not applicable
Odour	faint ammonical odour
Flash Point	Not applicable
Flammability	Non flammable
Solubility	Insoluble in water . It will become soluble if hydrophobic coating is removed
Viscosity at 20° C	Not applicable
Specific gravity (apparent density)	0.55 - 0.85 gm/ml
Special fire fighting procedures	None. This is an extinguishing agent
Unusual fire and explosion hazards	None

## SECTION 10 - REACTIVITY & STABILITY

Stability	Generally stable. Prevent contact with strong acids,oxidising & reducing chemicals & other types of extinguishing agents.
Hazardous decomposition products	Not applicable. However do not expose packing to heat or flame since the packing is made from polyethylene and will burn.

## SECTION 11 - TOXICOLOGICAL INFORMATION/HEALTH EFFECT

Inhalation	Inhalation of hazardous amount is unlikely, when used as intended. May cause irritation to respiratory tract when inhaled.
Ingestion	Low oral risk when used as indented. May cause irritation to digestive track.
Contact to eye or skin	Low risk if appropriate precautionary measures are taken(see section 6). May cause skin and eye irritation when comes in contact with them.
Aqua toxicity	Not determined



**SECTION 12 - ECOLOGICAL INFORMATION**

Persistence/degradability	not expected be a bio-persistent
Bioaccumulation	not expected be a bio-accumulator
Biodegradation	Not determined
Sewage treatment	Data not available
Others	no ozone depletion effect

**SECTION 13 - DISPOSAL CONSIDERATION**

Disposal	Waste should be disposed via local authority, waste collection service or registered waste carrier. Ensure that the destination is a licenced facility. Do not discharge into drain or water source. Refer local regulations & contact concerned local authorities.
Local legislation	<b>Indian Laws</b> AIR (Prevention & Control of pollution) Act 1981 The Water (Prevention & control of Pollution) 1974 The Hazardous Waste (Mgt & Handling Rules) 1989
Handling for disposal	Avoid contact with skin & eyes. Do not inhale excessively. Do not ingest. Wash thoroughly with clean water in case of contact.

**SECTION 14 - TRANSPORT INFORMATION**

Not classified as Dangerous or Hazardous for transport under UN,IMO,ADR/RID and IATA/ICAO

**SECTION 15 - REGULATORY INFORMATION**

Label for supply	None required
UK regulatory references	Health and Safety at work Act 1974 Chemical (Hazard Information & Packaging for Supply) Regulations
EC Directives	General Preparations Directive
Statutory Instruments	Chemical (Hazard Information & Packaging for Supply) Regulation
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply
Guidance Notes	Occupational Exposure Limits EH40
Transportation of Dangerous Goods (TDG) information	Non required as per ADR/RID/IMGD,IATA & 49 CFR

**SECTION 16 - OTHER INFORMATION**

Use & restriction	For fire extinguishment
Revision Date	Dec 2009. Rev-01
Information Source	Data sheet of ingredients & packaging manufacturers, Literature from PPE manufacturers Central Pollution Control Board Guidelines - India

**DISCLAIMER**

This information is based on our knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should therefore not be construed as guaranteeing any specific property of the product. User is required to ensure suitability of the product for the intended use, compliance to regulations, for its safe use and disposal. K V FIRE CHEMICALS (INDIA) PVT. LTD will not be held responsible or liable for any injury or accident of any kind.