

MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

SUBSTANCE: PERLITE FILTER AID

SUPPLIER DETAILS			
Supplier Name: PT. IPI SUNIJAYA	Emergency Telephone Number: +62 21 5444 291		
Address: Jl. Lingkar Luar Barat No.23E Cengkareng – Jakarta Barat 11750 - Indonesia	Telex / E-Mail Address: info@ipijaya.com massidik@ipijaya.com		
Telephone Number: +62 (21)5444 291	URL / WebPages: http://www.ipijaya.com/		
Fax Number: +62 (21)5437 3348	Last Revision Date: 4/5/2010 5:08:53 PM		
Personal Responsible for Updating MSDS Principal Advisor SHEQ			
COMPOSITION			
Ingredient Name	CAS Number	%w/w	PEL/TLV
Perlite	93-763-70-3	100	15/10 mg/m ³
Other non-hazardous ingredients constitute less than 1%. This product does not contain any toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-know Act of 1986 and 40 CFR 372			
HAZARDS IDENTIFICATION			
HMIS Rating Health – Refer to Section 11 Flammability – 0 Reactivity – 0 Personal Protection – E 0 = Minimal Hazard 4 = Severe Hazard E = Dust Respirator	NFPA Rating Health – Refer to Section 11 Flammability – 0 Reactivity – 0 0 = Minimal Hazard 4 = Severe Hazard		
POTENTIAL HEALTH EFFECTS			
Primary Entry Routes: Skin contact, eye contact, inhalation Target Organs: Lungs, eyes Eye: May cause temporary irritation Skin: May cause slight dryness with continued contact Ingestion: Not considered harmful in small doses. Large doses may cause gastric upset Carcinogenicity: May contain respirable silica at below detectable levels (<0,1%) Medical Conditions Aggravated by long-Term Exposure: Pre-existing upper respiratory diseases such as bronchitis, asthma and emphysema.			
FIRST AID MEASURES			
Eye Contact: in case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Do not rub eyes.			

Skin Contact: NA
Inhalation: Remove from dusty area. Drink water to clear throat. Blow nose to clear dust.
Ingestion: Drink water to reduce bulk and alleviate dryness
Special Precautions/Procedures: None known

FIRE FIGHTING

Flash Point : None
LEL (% vol in air): NA
UEL(% vol in air): NA
Flammability Classification: Non-flammable
Extinguishing Media: NA
Unusual Fire or Explosion Products: NA
Hazardous Combustion Products: NA
Fire-Fighting Equipment: NA

ACCIDENTAL RELEASE MEASURES

Personal Protection: Use appropriate PPE equipment
Containment: Sweep and recover material for proper disposal. Use water as dust suppressant.
Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120) and local regulations.

HANDLING AND STORAGE

Personal Protective Equipment: Respirator and Goggles
Handling Precautions: Avoid dust generation
Storage Requirements: None required
Regulatory Requirements: None known

EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Local if required to stay within the PEL/TLV levels
Ventilation: General ventilation recommended
Administrative Control: None required for normal use
Respiratory Protection: Use N95 respirator when PEL is exceeded or in the presence of dust
Protective Clothing/Equipment: Use goggles in conditions of excessive dust generation
Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, or using the toilet.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder
Water Solubility: Insoluble
Appearance and Odor: White and odorless
Other Solubilities: Not determined
Odor Threshold: Not determined
Formula Weight: Not Applicable
Refractive Index: 1,5
Bulk Density: 80g/L
Surface Tension: NA
Specific Gravity (H2O=1, at25° C): 1.1 – 2.5
% Volatile: NA
pH (@ 25°C): 6.5 – 8.0
Evaporation Rate (nBuAc = 1): NA

STABILITY AND REACTIVITY

Stability: Non reactive
Polymerization: Hazardous polymerization will not occur
Chemical Incompatibilities: Hydrofluoric Acid
Conditions to Avoid: Avoid strong oxidants
Hazardous Decomposition Products: NA

TOXICOLOGICAL INFORMATION

IPILITE Perlite is a natural volcanic mineral composed of sodium potassium aluminium silicate. OSHA has classified IPILITE Perlite as a Particulate Not Otherwise Regulated (PNOR), which has the same permissible Exposure Limit (PEL) as the used for nuisance and inert dusts. Although there are no published reports of adverse health effect from exposure to IPILITE Perlite dust, dust level should be maintained below the OSHA PEL for PNORs and respirators should be used when air borne dust is present. Excessive inhalation over long periods of time may cause harmful irritation. IPILITE Perlite is considered a nuisance dust by ACGIH

ECOLOGICAL INFORMATION

Inert to the environment. No adverse environmental impact.

DISPOSAL CONSIDERATIONS

Disposal: Follow applicable local regulations
Container Cleaning and Disposal: Discard in suitable trash container

TRANSPORT INFORMATION

U.S.D.O.T. Proper Shipping Name:	Perlite Shipping class 55 (no restriction)
Hazard Classification:	Not Classified
Reportable Quantities:	N/A

OTHER INFORMATION

RCRA :	Not defined as a hazardous waste under RCRA 40CFR Part 261
TSCA :	Listed in the TSCA inventory but is not otherwise Regulated by TSCA
CERCLA:	Material not reportable under CERCLA. Company with Local Requirements. RQ=Not Applicable
SARA Title III :	Not Listed

DISCLAIMER

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