


**HPL Additives Limited**

## MATERIAL SAFETY DATA SHEET

### MIKROFINE<sup>®</sup> 1013/ MIKROFINE<sup>®</sup> 106

#### 1 IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Identification of the Substance	:	MIKROFINE <sup>®</sup> 1013/ MIKROFINE <sup>®</sup> 106
Use of the Substance	:	Used as an Endothermic Blowing Agent for foaming plastics
Supplier's name and address	:	HPL Additives Limited 803, Vishal Bhawan 95, Nehru Place New Delhi - 110019 (INDIA)
Contact Numbers	:	Telephone +91- 11- 2643 1522 +91- 11- 2642 1570 Fax +91- 11- 2647 4350 +91- 11- 2646 0981 e-mail hpl@hpl-group.com
Information	:	Product Compliance and Regulatory Affairs
Emergency Phone Number(24h)	:	+91-9910486232

#### 2 HAZARDS IDENTIFICATION

Eye	:	May cause eye irritation
Skin	:	No adverse effects expected. May cause skin irritation.
Ingestion	:	May cause irritation of the digestive tract
Inhalation	:	May cause respiratory tract irritation

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	:	Proprietary multi component system
CAS	:	--
EINECS	:	--
Classification	:	--
Risk Phrases	:	--

### 4 FIRST AID MEASURES

Eye	:	In case of eye contact, wash thoroughly with water. Seek medical advice.
Skin	:	In case of skin contact, wash thoroughly with water and seek medical advice if necessary.
Ingestion	:	If product is swallowed, transfer patient to hospital. Seek medical advice.
Inhalation	:	Take patient into a well-ventilated area. Check for any allergy (asthmatic type) and seek medical advice if necessary.

### 5 FIRE FIGHTING MEASURES

Extinguishing Media	:	Water spray, CO <sub>2</sub> and dry chemical. Use any means suitable for extinguishing surrounding fire. Self-contained breathing apparatus must be worn during fire fighting.
Fire	:	Not considered to be a fire hazard. As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.
Explosion	:	Not considered to be a fire hazard. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

## 6 ACCIDENTAL RELEASE MEASURES

Use proper personal protective equipment

Product should not be allowed to enter into local drainage or sewer systems.

Any spillage should be removed, preferably by vacuum and stored in labeled containers.

Avoid generating dusty conditions.

## 7 HANDLING AND STORAGE

<b>Handling</b>	:	<p>Wear protective clothing including breathing protection apparatus and safety goggles, or eye protection.</p> <p>Wash hands and face thoroughly after handling.</p> <p>Avoid ingestion and inhalation</p>
<b>Storage</b>	:	<p>Keep product pack closed &amp; dry and in original container</p> <p>Store in a cool, dry, well-ventilated area away from incompatible substances.</p> <p>Keep container tightly closed when not in use.</p> <p>Keep away from direct sunlight and any source of ignition</p>

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Limits</b>	:	<p>ACGIH No information available</p> <p>NIOSH No information available</p> <p>OSHA-Final PELs No information available</p> <p>OSHA-Vacated PELs No information available</p>
<b>Exposure Controls</b>	:	<p>Use adequate ventilation to keep airborne concentrations low.</p> <p>If vent inadequate use NIOSH/MSHA/European Standard EN 149 approved respirator.</p> <p>Wear appropriate protective eyeglasses or chemical safety goggles.</p> <p>Wear appropriate protective gloves and protective clothing to prevent skin exposure.</p>

## 9 PHYSICAL AND TECHNICAL DATA

### General Information

Appearance : White free flowing powder  
 Odour : Odourless

### Important Health, Safety and Environmental Information

pH : Not available  
 Decomposition temp. : > 140°C  
 Flash point : Not available  
 Flammability : Not available  
 Explosion properties : Not available  
 Vapour pressure : Not available  
 Density : Not available  
 Solubility : Partially soluble in water  
 Viscosity : Not available  
 Vapour Density : Not available  
 Evaporation rate : Not available  
 Auto-ignition temperature : Not available  
 Gas released at normal operating temperature : Not available

## 10 STABILITY AND REACTIVITY

Conditions to avoid : Excess heat and dust generation  
 Materials to avoid : Strong oxidising agents, incompatible materials and strong oxidants.  
 Hazardous decomposition products : NO<sub>x</sub>, CO<sub>x</sub>, irritating and toxic fumes and gases

## 11 TOXICOLOGICAL INFORMATION

Oral toxicity : No information available  
 Dermal toxicity : No information available  
 Inhalation toxicity : No information available  
 Genotoxicity : No information available  
 Carcinogenicity : Not listed by ACGIH, IARC, NIOSH, NTP or CA Prop 65  
 Epidemiology : No information available  
 Teratogenicity : No information available  
 Reproductive effects : No information available  
 Neurotoxicity : No information available  
 Mutagenicity : No information available

**12** ECOLOGICAL INFORMATION

No information available

**13** DISPOSAL CONSIDERATIONS

Do not dispose off waste into water or drainage.

Dispose off as special must be in accordance with applicable local or national regulations.

**14** TRANSPORTATION INFORMATION

ADR/RID/DOT/IMO/IMDG : Not regulated as a Hazardous material

**15** REGULATORY INFORMATION**EUROPEAN/INTERNATIONAL REGULATIONS****European Labeling in Accordance with EC Directives**

**Hazard Symbol** : Not available

**Risk Phrases****Safety Phrases**

**S24/25** : Avoid contact with skin and eyes

**S37** : Wear suitable gloves

**S45** : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

**S28A** : After contact with skin, wash immediately with plenty of water

## 16 OTHER INFORMATION

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This document contains important information to ensure the safe storage, handling and use of this product. The information in this document should be brought to the attention of the person in your organisation responsible for advising on safety matters.

The information given in this document is only a recommendation believed to be reliable and is given in good faith but without warranty. Our advice does not release users from the obligation of checking its validity and to test our products as to their suitability for the intended use. Specified properties mentioned in this document are based on our historical production performance and these properties or the whole document is subject to change without any prior notice at our sole discretion. We are under no obligation to call back earlier issued documents.