


HPL Additives Limited

MATERIAL SAFETY DATA SHEET

MIKROFINE® WEP

1 IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Product Name	:	MIKROFINE® WEP
Chemical Name	:	Carbonyl diamide
Use	:	As activator for chemical blowing agent
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

Skin	:	May cause skin irritation.
Eye	:	Dust may cause mechanical irritation.
Inhalation	:	May cause respiratory tract irritation.
Ingestion	:	May cause irritation of the digestive tract.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	:	Carbonyl diamide
CAS Registry number	:	57-13-6
EC number	:	200-315-5
Hazard symbol	:	--
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. Seek medical advice.
Ingestion	: If product is swallowed, transfer patient to hospital and 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

Suitable Extinguishing Media	: Non-combustible Use water spray, dry chemicals, CO2 or appropriate foam. Do not breathe fumes and gases generated during decomposition or fire. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Self-contained breathing apparatus must be worn during fire fighting.
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6 ACCIDENTAL RELEASE MEASURES

Personal precautions	: Use proper personal protective equipment. Avoid generating dusty conditions. Remove all source of ignition. Provide ventilation.
Environmental precautions	: Prevent contamination of soil, drain and surface water. Product should not be allowed to enter into local drainage or sewer systems.
Method for cleaning up	: Any spillage should be removed, preferably by vacuum and stored in labeled containers.

7 HANDLING AND STORAGE

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit values	: ACGIH- None listed NIOSH- None listed OSHA-Final PELs- None listed OSHA-Vacated PELs- None listed
Exposure Controls	: Use adequate ventilation to keep airborne concentrations low. If vent inadequate use NIOSH/MSHA/European Standard EN 149 approved respirator. Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective gloves and protective clothing to prevent skin exposure.

9 PHYSICAL AND TECHNICAL DATA

Appearance	: White powder
Odour	: Odourless
Decomposition point (°C)	: > 130 °C
Relative density (gm/cc)	: Not available
Flash point (°C)	: Not available
Oxidising properties	: Not available
Self ignition temperature	: Not available
Solubility	: Insoluble in water
Vapour pressure	: Not available
Partition coefficient	: Not available

10 STABILITY AND REACTIVITY

Stability	: Stable under ordinary conditions.
Conditions to avoid	: Excess heat, ignition sources and dust generation.
Materials to avoid	: Strong oxidising agents, incompatible materials and strong oxidants.
Hazardous decomposition products	: Carbon monoxide, Carbon dioxide, Sulfur oxides, Zinc and Zinc Oxides

11 TOXICOLOGICAL INFORMATION

Oral toxicity	:	LD 50 (rats) > 11 gm/kg
Genotoxicity	:	No information available
Carcinogenicity	:	No information available
Epidemiology	:	No information available
Teratogenicity	:	No information available
Reproductive effects	:	No information available
Neurotoxicity	:	No information available
Mutagenicity	:	No information available

12 ECOLOGICAL INFORMATION

Ecotoxicity	:	CAS# 57-13-6: Bacteria (Phytobacterium phosphoreum) EC 50 = 23914 mg/l; 5 Min
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13 DISPOSAL CONSIDERATIONS

Waste disposal	:	Do not dispose off in water or drainage.
Container disposal	:	Contaminated container should be disposed off. Accordingly uncontaminated container should be thoroughly cleaned with water or solvent and then can be recycled.

14 TRANSPORTATION INFORMATION

ADR/RID/DOT/IMO/IMDG	:	
UN NUMBER	:	--
Hazard Class	:	--
Proper Shipping Name	:	Carbonyl diamide
Packing group	:	--

15 REGULATORY INFORMATION

EC No.	:	--
Contains	:	Carbonyl diamide (Surface treated)
Risk Phrases	:	--

16 OTHER INFORMATION

Uses : Used primarily as an activator for Chemical Blowing Agent

History : Edition No. 3
 First issue - 1st May, 2006
 Second issue - 28th February, 2007
 Third issue - May, 2008

This product is listed in the following chemical inventories

TSCA	EINECS	AICS
DSL	ENCS	ASIA-PAC

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.