



EXCEL INDUSTRIES LIMITED

EPICEL™ MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product details

- Chemical Name : Activated Humic Acid.
- Molecular Formula : -----
- Chemical Class :
- Trade Name : Epicel
- Use of Substance : Efficiency Mobilizer

Name of Manufacturer

CORPORATE HEAD OFFICE :

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MANUFACTURED AT :

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Product Use : Efficiency Mobilizer

SECTION 2 : COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	CAS No.	%	EC / EINECS No.	Symbol	R / S Phrases
Activated Humic Acid		50%	----		----

Note: See Section 16 for full text of R & S phrases mentioned above.

SECTION 3 : HAZARDS IDENTIFICATION

Potential hazards : Mild Irritant
Potential health effects : Mild Irritant
Relevant route of exposure :

- Skin contact : Prolonged contact may cause slight irritation.
- Eye Contact : Slight irritation.
- Inhalation : Inhalation hazards very unlikely.
- Ingestion : May cause slight irritation.

R – phrases : None
S- phrases : None
NFPA Code : Not available
Environmental effects : None
Hazard Symbols : None



EXCEL INDUSTRIES LIMITED
EPICEL™
MATERIAL SAFETY DATA SHEET

SECTION 4 : FIRST AID MEASURES

Eyes : Wash out eyes with water.. Seek medical attention if irritation is observed.
Skin : Remove contaminated clothing. Wash contaminated skin with water. Seek medical attention if irritation is observed.
Inhalation : Inhalation hazard is very unlikely. However in case of exposure remove casualty to fresh air area.. Seek medical attention if required.
Ingestion : If victim is conscious rinse out mouth and give water to drink. Do not induce vomiting. Seek medical attention.
Note to Physician : Material is not known to be hazardous. Treatment is symptomatic and supportive.

SECTION 5 : FIRE FIGHTING MEASURES

HAZCHEM code : ----
Hazardous combustion : Carbon monoxide, Carbon dioxide
Products
Conditions under which : ----
flammability could occur
Extinguishing media : Water, Foam , Dry sand.
Unsuitable fire : ----
extinguishing media
Sensitivity to explosion : Not applicable.
Fire fighting procedure : In case of fire use extinguishing media mentioned above. Cool intact containers by spraying with water.
Special protective : Use self-contained breathing apparatus. Equipment should be thoroughly
Equipment for the fighters decontaminated after use.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions : Avoid contact of material with skin, eyes, clothing. Use personal protection recommended in Section 8
Environmental : None
Precautions
Procedures for dealing : Collect in containers for disposal. Use personal protective clothing. Dispose as
with release or spill per instructions mentioned in Section 13.
(Major /Minor)
Additional instructions : After clean up operations, decontaminate & launder all protective clothing and equipment before storing & reusing

SECTION 7 : HANDLING AND STORAGE

HANDLING :

Safe handling practices and equipment: Good industrial practice in housekeeping and personal hygiene should be followed. Avoid contact with eyes, skin and clothing. Ensure good ventilation at workplace.

Instruction for fire & explosion protection: No smoking.



EXCEL INDUSTRIES LIMITED

EPICEL™

MATERIAL SAFETY DATA SHEET

STORAGE :

Appropriate storage practices/ requirements: Store in sealed containers in a cool, dry and well ventilated place. Keep away from children.

Technical measures: Provide adequate ventilation.

Material of construction of containers: Containers with HDPE liners

SECTION 8 : EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational exposure limit values / Biological limit values: No data available

Applicable control measures, including engineering controls: Good industrial practice in housekeeping and personal hygiene should be followed. Avoid contact with eyes, skin and clothing. Ensure adequate ventilation of workplace.

Industrial Hygiene Controls: Good personal hygiene practices should be followed. Avoid contact with eyes, skin and clothing. Wash hands before breaks and after work. Do not eat, drink, smoke in the workplace. Use personal protective equipment.

Personal protective equipment for each exposure route (type & MOC):

- Eyes : Safety goggles
- Skin : PVC / Rubber gloves
- Clothing : Body apron
- Foot : Safety shoes / Gumboots
- Respiratory protection : Dust mask

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : Semi Solid
- Appearance : Blackish Viscous Solid
- Odour : No odour
- pH : 6.0 - 8.0 (1% solution)
- Solubility in water : Miscible with water

SECTION 10 : STABILITY AND REACTIVITY

- Chemical stability : Generally stable under normal conditions of handling and storage.
- Conditions to avoid : ---
- Incompatibility with other materials : Acids
- Hazardous decomposition products : Carbon monoxide, Carbon dioxide
- Hazardous polymerization : Will not occur
- Effect of weather (Humidity/ oxygen/ CO2) : None



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SECTION 11 : TOXICOLOGICAL INFORMATION

Toxicology data:

_ Skin	: No data available
_ Ingestion	: No data available
_ Inhalation	: No data available
_ Irritancy	: No data available
Sensitization	: No data available
Carcinogenicity	: No data available
Reproductive toxicity	: No data available
Teratogenicity	: No data available
Mutagenicity	: No data available

Name of toxicologically synergistic products : No data available

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity :No data available

Mobility	: No data available
Persistence and degradability in soil/ water	: No data available
Bioaccumulation potential	: No data available
Other adverse effects (ODP, GWP, etc)	: No data available

SECTION 13 : DISPOSAL CONSIDERATION

Waste disposal information of product & contaminated packaging : Spill and waste disposal procedures approved by state and local authorities must be observed. Labels should not be removed from containers until they have been cleaned and decontaminated. Decontaminate the container taking suitable precaution considering the hazard.

SECTION 14 : TRANSPORT INFORMATION

Regulatory Information	UN No.	Proper shipping name	UN Class & Sub Haz. Class	Packaging group	Label	Additional information
IMDG	----	----	----	----	----	
ADR/ RID	----	----	----	----	----	
US-DOT	----	----	----	----	----	
ICAO/ IATA	----	----	----	----	----	

SECTION 15 : REGULATORY INFORMATION

National laws/ Regional laws:- No information available



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SECTION 16 : OTHER INFORMATION

Full text of R & S phrases given below:- No R&S phrases

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