

Material Safety Data Sheet

Product Name : **MOREFLOC EA-4891**

Rev. No./Date : #0 / 2002. 5. 2

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	MOREFLOC EA-4891	PRODUNCT NO.	MS-449
USE	Dehydrating agent for wastewater or other process		
COMPANY NAME	PRIME TECH INTERNATIONAL CO., LTD.		
ADDRESS	GYEONGGI TECHNOPARK, sa-1 DONG, Sangnok-gu, Ansan-si, Gyeonggi-do, Korea		
TELEPHONE NO.	82-31-500-4560		
FAX NO.	82-31-500-4562		
DEAPRTMENT	Technical & Research H./Q		

SECTION 2. COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENTS	OTHER NAMES	CAS NUMBER	MOLECULAR FORMULA	PERCANTAGE
Cationic Polyacrylamide	Polyamide	09418-26	-	Sale secret
Petroleum Distillate	-	064742-47-8	-	Sale secret
Hydro treated Light	-	-	-	Sale secret

SECTION 3. HAZARDS IDENTIFICATION

NEFA PATING (SCALE : 0~4)	HEALTH	FIRE	REACTIVITY
	2	1	-
INHALATION	The product is non-volatile, but inhalation of dust may cause irritation, and this should be avoided.		
SKIN CONTACT	May cause slight irritation, especially with repeated or prolonged exposure.		
EYE CONTACT	May cause some irritation which should cease on removal of product.		
INGESTION	Low toxicity product		
CARCINOGEN STATUS	None known		

SECTION 4. FIRST AID MEASURES

INHALATION	Remove the casualty to fresh air. Clear any blocked airways. If recovery is delayed seek medical advice.
SKIN CONTACT	Remove all contaminated clothing immediately. Wash contaminated area with soap and water. If any irritation persists obtain medical attention.

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EYE CONTACT	Irrigate the eye with water for 15minutes. If there is any irritation obtain medical attention immediately.
INGESTION	Do not make the casualty vomit. If <u>unconscious</u> do not give anything by mouth. Check for breathing and pulse, if present, place in the recovery position and obtain medical attention. If <u>conscious</u> rinse out the mouth with water. Give 1 pint of to drink immediately and repeated drink of water at a rate of a cupful(1/3 pint) every 10minutes. Obtain medical attention immediately.

SECTION 5. FIRE FIGHTING MEASURES

FLASH POINT	93°C
FLAMMABILITY	Not determined
AUTO FLAMMABILITY	Not determined
EXPLOSION HAZARD	Not determined
EXPLOSIVE LIMITS	Not determined
EXTINGUISHING MEDIA	Foam, dry powder, carbon dioxide, in preference to water spray. (The product becomes very slippery when wet)
SPECIAL EXPOSURE HAZARDS IN A FIRE	Not applicable
SPECIAL PROTECTIVE EQUIPMENT FOR A FIRE	As for all fires involving chemicals: chemical protection suit, suitable gloves and boots, and self-contained breathing apparatus.
EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS	Not applicable

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION	Avoid dust formation. Use personal protective equipment, effective dust mask.
ENVIRONMENTAL PRECAUTIONS	No special environmental precautions required.
METHODS FOR CLEANUP	Sweep up and shovel into suitable containers for disposal. Spilled product which becomes wet or spilled aqueous solutions create a hazard because of

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their slippery nature. The spillage should be contained with earth or sand and removed for disposal. Residues or small spillage should be hosed away completely with plenty of water.

SECTION 7. HANDLING AND STORAGE

HANDLING	Do not eat, drink or smoke whilst handling the product. Remove contaminated clothing immediately and launder before reuse. Wash hands after use. As with many organic powders flammable dust clouds may be formed. Avoid creating dust and keep away from sources of ignition.
STORAGE	Keep in dry place. Avoid wet, damp and humid conditions.

SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

ENGINEERING CONTROLS	Local exhaust ventilation required if dust is created.
RESPIRATORY PROTECTION	If dust is created : Effective dust mask.
HAND PROTECTION	Rubber or plastic gloves.
EYE PROTECTION	Goggles.
SKIN PROTECTION	Lightweight protective clothing.
EXPOSURE LIMITS	UK HSE EH40. Dust : 10mg/m ³ 8-hour TWA total inhalable dust 4mg/m ³ 8-hour TWA respirable dust

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	White emulsion
ODOR	Slightly carbon hydrate odor
pH	4.8 ±1.5 (0.1%)
SPECIFIC GRAVITY	-
SOLUBILITY	Not determined
BOILING POINT	Not applicable
FREEZING POINT	-18 Celsius degree.

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FLASH POINT	Not exhibited.
SOLID CONTENT	40% above
VISCOSITY	About 50 cps(0.1%,reference)

SECTION 10. STABILITY AND REACTIVITY

CHEMICAL REACTIVITY	Stable at ambient temperatures.
CONDITIONS TO AVOID	Avoid wet, damp and humid conditions.
MATERIALS TO AVOID	No special precautions other than good housekeeping if chemicals.
HAZARDOUS DECOMPOSITION PRODUCTS	Burning may produce CO ₂ , CO, NO _x

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY	LD ₅₀ 4.5 ~ 25ml/kg (rat)
ACUTE DERMAL TOXICITY	LD ₅₀ about 15,000ppm(rat)
IRRITANCY AND CORROSIVENESS	<ul style="list-style-type: none"> Not classified as irritating to the eyes. Not classified as irritating to the skin.
SENSITIZATION	Not known
SUBACUTE, SUBCHRONIC AND PROLONGED TOXICITY	Not available
EMPIRICAL DATA ON EFFECTS ON HUMANS	Not known
OTHER INFORMATION ON HEALTH EFFECTS	Not available

SECTION 12. ECOLOGICAL INFORMATION

PERSISTENCE IN THE ENVIRONMENT	Not available
BIOACCUMULATION	Not available
MOBILITY	Not available
AQUATIC TOXICITY	Not available
NOTE	Not available

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SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations. In the UK disposal may be made to a licensed treatment/disposal site in accordance with the provisions of Environmental Protection Act 1990.

SECTION 14. TRANSPORT INFORMATION

UK ROAD/RAIL	Not classified as dangerous in the meaning of transport regulations.
IMDG	Not classified as dangerous in the meaning of transport regulations.
ICAO	Not classified as dangerous in the meaning of transport regulations.
ADR	Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

RISK PHRASES	None
SAFETY PHRASES	None

SECTION 16. OTHER INFORMATION

This information contains herein is to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee for results obtained and assume no responsibility for damages incurred by use of this product. It is the responsibility of the user to comply with all federal state and local laws and regulations.

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