HITO CHEMICAL

Material Safety Data Sheet

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: BE Emulsion waterproofing agent
Chemical name: BE Emulsion waterproofing agent
MANUFACTURED BY: JIANGXI HITO CHEMICAL CO.,LTD
NO 6,TIANHONG ROAD,XINGHUO INDUSTRY ZONE,
JIUJIANG CITY, JIANGXI PROVINCE,CHINA
POST CODE: 330319
Emergency telephone number: +86-792-3170318

SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS No	Concentration percent
Poly(methylhydrosiloxane)	63148-57-2	>30%

SECTION 3 – HAZARDS IDENTIFICATION

3.1Emergency overview and potential hazards
This material is not hazardous under WHMIS criteria. This material is not hazardous under OSHA criteria.
Physical Hazards:
No known physical hazards.
Acute health effects
Route of entry or possible contact:
eyes , skin , ingestion , inhalation (aerosol) .
Eye contact:
May cause slight eye irritation.
Skin contact:
No acute toxic skin effects are expected.
Ingestion:
Not expected in industrial use.
3.2 Further information:
Chronic health effects:
No known or expected chronic health effects.
Medical conditions which may be aggravated by exposure:
none known
Signs and Symptoms of Exposure:
Refer to Acute Health Effects, listed above.
Carcinogens/Reproductive toxins:
There are no carcinogenic ingredients present at or over 0.1% in this material. This material

does not contain any reproductive toxins at or above OSHA or WHMIS reportable levels.
See Section 11 for Toxicological Information, if any.

SECTION 4 - FIRST AID MEASURES

4.1 General information:
Get medical attention if irritation occurs or if breathing becomes difficult.
4.2 After inhalation
If inhaled, remove to fresh air.
4.3 After contact with the skin
For skin contact, immediately wipe away excess material. Wash with soap and water.
4.4 After contact with the eyes
If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min.
4.5 After swallowing
If swallowed, rinse mouth with water. Induce drinking plenty of water in small portions.
4.6 Advice for the physician
Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Flammable properties:	**Method**
Sustained combustibility.....: > 100 ° C (> 212 ° F)	(ISO 9038)
Boiling point / boiling range.....: 100 ° C (212 ° F)	
Lower explosion limit (LEL).....: no data at hand	
Upper explosion limit (UEL).....: no data at hand	
Ignition temperature .....: 395 ° C (743 ° F)	

5.2 Fire and explosion hazards:
This material does not present any unusual fire or explosion hazards.
5.3 Recommended extinguishing media:
Material does not burn. Water may be used to cool tanks and structures adjacent to the fire.
5.4 Unsuitable extinguishing media:
None.
5.5 Special exposure hazards arising from the substance or preparation itself, combustion products,resulting gases
5.6 Fire fighting procedures:
Full turn-out gear and Self Contained Breathing Apparatus (SCBA) should be worn when fighting large fires.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Precautions:

Wear personal protection equipment (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. Avoid inhaling mists and vapours. If material is released indicate risk of slipping.

HAZWOPER PPE Level: D

6.2 Containment:

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers.

Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

6.3 Methods for cleaning up

Do not flush away with water. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Exhaust vapours.

6.4 Further information:

Eliminate all sources of ignition.

SECTION 7 - HANDLING AND STORAGE

7.0 General information:

Always stir well before use.

7.1 Handling

Precautions for safe handling:

Avoid formation of aerosols. In case of aerosol formation special protective measures are required (exhausting by suction, respiratory protection). Ensure adequate ventilation. Spilled substance increases risk of slipping.

Precautions against fire and explosion:

Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.

7.2 Storage

Advice for storage of incompatible materials:

not applicable

Further information for storage:

Minimum temperature allowed during storage and transportation: 0 ° C (32 ° F)

Do not allow this material to freeze.

Maximum temperature allowed during storage and transportation: 40 ° C (104 ° F)

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

8.1 Engineering controls

Ventilation:

No special ventilation required.

Local exhaust:

No special ventilation required.

8.2 Personal protection equipment (PPE)

Respiratory protection:

Respiratory protection is not normally required.

Hand protection:

Any liquid-tight rubber or vinyl gloves.

Eye protection:

Safety glasses with side shields.

Other protective clothing or equipment:

Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance

Physical state / form.....: liquid

Colour.....: white

Odour.....: slight

9.2 Safety parameters	Method
Melting point / melting range.....: -1 ° C (30 ° F)	
Boiling point / boiling range.....: 100 ° C (212 ° F)	
Sustained combustibility.....: > 100 ° C (> 212 ° F)	(ISO 9038)
Ignition temperature .....: 395 ° C (743 ° F)	
Lower explosion limit (LEL).....: no data at hand	
Upper explosion limit (UEL).....: no data at hand	
Density.....: 0.95-1.01 g/cm³	
Water solubility / miscibility.....: completely miscible	

SECTION 10 - STABILITY AND REACTIVITY

10.0 General information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

10.1 Conditions to avoid

none known .

10.2 Further information:

Hazardous polymerization cannot occur

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 General information:

Toxicological testing has not been conducted with this material

11.2 Toxicological data:

Experience with man

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Behaviour in environmental compartments

Mobility

Silicone content: Absorbed by floating particles. Separation by sedimentation.

Further information:

Bioaccumulation is not expected to occur.

12.2 Ecotoxicological effects:

Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):

According to current knowledge adverse effects on water purification plants are not expected.

12.3 Additional information

Other harmful effects

none known

General information:

No environmental problems expected if handled and treated in accordance with standard industrial practices and local regulations where applicable.

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Product disposal

Recommendation:

Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/federal regulations.

13.2 Packaging disposal

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers

may be recycled or re-used. Observe local/state/federal regulations

SECTION 14 - TRANSPORT INFORMATION

14.1 US DOT & CANADA TDG SURFACE

Valuation.....: Not regulated for transport

14.2 Transport by sea IMDG-Code

Valuation.....: Not regulated for transport

14.3 Air transport ICAO-TI/IATA-DGR

Valuation.....: Not regulated for transport

SECTION 15 - REGULATORY INFORMATION

15.1 U.S. Federal regulation

TSCA inventory status and TSCA information:

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

TSCA 12(b) Export Notification:

This material does not contain any TSCA 12(b) regulated chemicals.

CERCLA Regulated Chemicals:

This material does not contain any CERCLA regulated chemicals.

SARA 302 EHS Chemicals:

This material does not contain any SARA extremely hazardous substances.

SARA 311/312 Hazard Class:

not determined

SARA 313 Chemicals:

This material does not contain any SARA 313 chemicals above de minimus levels.

HAPS (Hazardous Air Pollutants):

67-56-1 Methanol

15.2 U.S. State regulations

California Proposition 65 Carcinogens:

This material does not contain any chemicals known to the state of California to cause cancer.

California Proposition 65 Reproductive Toxins:

This material does not contain any chemicals known to the state of California to cause reproductive effects.

Massachusetts Substance List:

This material contains no listed components.

New Jersey Right-to-Know Hazardous Substance List:

This material contains no listed components.

Pennsylvania Right-to-Know Hazardous Substance List:

This material contains no listed components.

15.3 Canadian regulations

This product has been classified in accordance with the Hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS Hazard Classes:

B3

DSL Status:

This material or its components are listed on the Canadian Domestic Substances List.

Non-DSL Chemicals:

This material does not contain any non-DSL chemicals.

Canadian Ingredient Disclosure List:

This material contains no listed components

SECTION 16 - ADDITIONAL INFORMATION

Additional information:

This Material Safety Data Sheet (MSDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This MSDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

Vertical lines in the left-hand margin indicate changes compared with the previous version.