



北京恒聚
BEIJING HENGJU

SAFETY DATA SHEET

Revision: 11/10/2012

1. Identification of the substance/preparation and of the company/undertaking

Trade Name: Slicky Sticky

Intended use: Flocculant

Data on the Company:

Manufacturer:	Beijing Hengju Chemical Group Co. Huoxian Industrial Development Zone Tongzhou District Beijing 101109 China	Tel: 86 10 80585577 Fax: 86 10 80587711 Emergency Tel: 86 10 80585577 E mail: info@hengju.com.cn
USA supplier	TurfMaker Corporation 4931 Grisham Drive Rowlett, TX 75088	

2. Hazards identification

Products not classified as hazardous according to US regulations.

Human health effects: May cause slight skin irritation, especially with prolonged or repeated exposure. May cause irritation to the eyes that should cease on removal of the product. Inhalation of dust may cause irritation to the respiratory system.

Physicochemical effects: Very slippery underfoot when wet. If handled roughly dust may be created - as with many organic powders airborne dust clouds may cause a dust explosion hazard.

3. Composition/information on ingredients

Chemical characterization: Anionic polyacrylamide

The products contain no substances classified as hazardous that need to be taken into account according to EC directives/CHIP.

4. First-aid measures

Inhalation: Remove the source of contamination or remove the casualty to fresh air. Clear any blocked airways. Seek medical advice if recovery is delayed, or symptoms are experienced.

Ingestion: Do not make the casualty vomit. Never give anything by mouth to an unconscious person. If the casualty is conscious, have them rinse their mouth thoroughly with water to remove as much of the product as possible. Do not swallow the water but spit it out. Repeat several times. Give the casualty 240-300ml of water to drink in small sips. Do not make the casualty drink a lot of water at once as this may cause vomiting. Obtain medical attention.

Skin contact: In cases of local contamination e.g. to the hands, wash the skin with plenty of lukewarm water and soap. For large areas, remove all contaminated clothing and footwear immediately and flush the affected parts with plenty of lukewarm water to remove all traces of product. If any irritation persists seek medical attention.

Eye contact: Do not allow the casualty to rub the eye(s). Quickly and gently brush the product off the face and away from the eyes. Immediately wash the affected eye(s) with plenty of eyewash solution or running water (preferably lukewarm), holding the eyelids apart to ensure complete removal of the product. Continue irrigation for 5 minutes. If there are any signs of irritation seek medical attention immediately.

5. Fire-fighting measures

Suitable extinguishing media: Foam, dry powder, carbon dioxide, water-spray / fog – use as appropriate for the surrounding fire and other materials present. It should be noted that the products become very slippery when wet.

Extinguishing media which must not be used for safety reasons: None known

Special exposure hazards: The products become very slippery underfoot when wet.

**Special protective equipment
For fire-fighters:** As for all fires involving chemicals; chemical protection suit, suitable gloves and boots and self-contained breathing apparatus.

6. Accidental release measures

Personal precautions: Use personal protective equipment suitable for the task in hand – see section 8. Respiratory protection may be required if dust is created during clean up operations. Avoid formation of airborne dust clouds. The products become very slippery underfoot when wet.

Environmental precautions: No special environmental precautions required.

Methods for cleaning up: Shovel and sweep up into suitable containers for disposal. Flush away remaining traces completely with plenty of water.

7. Handling and storage

Handling: Do not eat, drink or smoke whilst handling the products. Do not breathe in any dust formed. Immediately remove clothing that becomes contaminated and launder before re-use. Avoid formation of dust and airborne dust clouds. Keep work area dust free by regular cleaning. Any airborne dust formed during use must be kept away from sources of ignition.

Storage: Avoid wet, damp and humid storage conditions. Keep in a dry, cool place.

8. Exposure controls/personal protection

Exposure limit values: UK HSE workplace exposure limit for dust:
Less than 10 mg/m³ 8-hour TWA of inhalable dust
Less than 4 mg/m³ 8-hour TWA of respirable dust

Occupational exposure control

Personal protective equipment: Personal protective equipment (PPE) should be chosen in consultation with the PPE manufacturer and take into account the application e.g. scale of operation, temperature and other chemicals used.

Respiratory protection:	Ensure good ventilation. Local exhaust ventilation may be required to keep airborne dust below the workplace exposure limits. If dust is likely to be created when cleaning up spillages, respiratory protection such as a disposable filtering facepiece respirator (FFP2) or half-mask or full-face respirator with a particle filter type P2, may be required.
Hand protection:	Rubber or plastic gloves.
Eye protection:	Goggles or safety glasses depending on type of use.
Skin protection:	Lightweight protective clothing
Environmental exposure controls:	No special requirements.

9. Physical and chemical properties

Appearance:	White powder
Odour:	None/slight
PH (0.5% solution):	6.5-8.5
Melting point:	Not determined.
Boiling point:	Not determined.
Flash point:	Not applicable
Explosive properties:	Not determined
Oxidising properties:	Not applicable
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Relative density:	0.7 – 0.8 g/cm ³
Solubility	
- water solubility:	Dissolves in water to form a highly viscous solution
- fat solubility:	Not determined
Partition coefficient:	
n-octanol/water:	Not determined
Viscosity:	Not applicable
Evaporation rate:	Not applicable

10. Stability and reactivity

Stability:	Stable under normal conditions of use.
Conditions to avoid:	No special precautions other than good housekeeping of chemicals.
Materials to avoid:	Reactive chemicals.
Hazardous decomposition products:	Oxides of carbon produced on combustion.

11. Toxicological information

Low toxicity products. Tests carried out on similar products show acute oral LD₅₀ (rat) >5000 mg/kg and products not to be classified as irritating to the skin and eyes.

12. Ecological information

The products are not classified as dangerous for the environment. Tests carried out on other anionic polyacrylamides showed:

Effects on fish:	96 hour LC ₅₀ >300 mg/l
Effects on Daphnia:	48 hour EC ₅₀ >200 mg/l
Effects on algae:	72 hour EC ₅₀ >1000 mg/l
Biodegradability:	Not expected to be readily biodegradable

13. Disposal considerations

Surplus or waste product and contaminated packaging should be disposed of in accordance with local regulations.

14. Transport information

UK road transport:	Not classified as dangerous for transport.
Sea transport (IMDG):	Not classified as dangerous for transport.
Air transport (ICAO):	Not classified as dangerous for transport.
Road transport (ADR):	Not classified as dangerous for transport.

15. Regulatory information

Supply classification:

Hazard symbol(s):	None
Risk phrases:	None
Safety phrases:	None

Great Britain – Relevant laws and guidance: EH40 Workplace exposure limits. HSE Books.

16. Other information

This replaces previous versions of the safety data sheet for Hengfloc 60508,60512, 60712,60714,61010, 61414, 61418,62014, 62020, 62022, 62414,62420, 62424, 62523, 62526,62712, 62716, 62718, 62720, 63016,63018,63020,63023,63026,63214,63220,63226,63620,64014,64020,64026, 64814,64820,64826

The safety data sheet has been revised to the format required by Regulation (EC) No 1907/2006 (REACH) with changes made to all sections.

Restrictions: Product for industrial use only – not for supply to the general public.

Product classified and safety data sheet produced according to EC directives as implemented in the UK by the Chemical (Hazard Information and Packaging) Regulations.

This safety data sheet is provided to enable the employer to fulfil his duties to assess and provide information on risks in the workplace as required under the Health and Safety at Work Act, Control of Substances Hazardous to Health Regulations and Dangerous Substances and Explosive Atmospheres Regulations.
