

## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT / COMPANY INFORMATION

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#### 1.2 Water-based Adhesion Promoter (Polyolefin resin solution)

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

#### 2.1 Ingredients

Component	CAS Number	Percent
1. Dissolved polyolefin active substance	Not Available	7-15%

#### 2.2 Acute Toxicity Data

Acute Oral LD50	Acute Dermal LD50	Acute Inhalation LC50
1. Not Established	Not Established	Not Established

### 3. HAZARDS IDENTIFICATION

- 3.1 EYE CONTACT- Product may cause mild irritation and/or temporary redness.  
3.2 SKIN CONTACT- Brief contact is not irritating.  
3.3 INHALATION- May cause irritation to respiratory tract and mucous membranes.  
3.4 INGESTION- May cause gastrointestinal distress if ingested in large quantities.  
3.5 AGGRAVATED MEDICAL CONDITIONS- None identified.

### 4. FIRST AID MEASURES

- 4.1 EYE CONTACT- Flush eyes with large amounts of water. Seek medical attention if irritation persists.  
4.2 SKIN CONTACT- Wash well with mild soap and water. Seek medical attention if irritation persists.  
4.3 INHALATION- If signs or symptoms occur, remove person to fresh air. If signs or symptoms continue, seek medical attention.  
4.4 INGESTION- Do not induce vomiting. Drink two glasses of water. Seek medical attention.  
NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

### 5. FIRE FIGHTING MEASURES

- 5.1 FLAMMABILITY- Non-flammable as supplied.  
5.2 FLASHPOINT- > 100°C (DIN EN 22719)  
5.3 AUTO-IGNITION TEMPERATURE- Not applicable.  
5.4 LEL/UEL- Not applicable.  
5.5 EXTINGUISHING MEDIA- Foam; carbon Dioxide; Dry chemical; Water spray jet.  
5.6 MEDIA TO AVOID- High volume water jet.  
5.7 UNUSUAL FIRE OR EXPLOSION HAZARDS- None established.  
5.8 HAZARDOUS COMBUSTION PRODUCTS- Carbon monoxide; CO2 and fumes released during fire.  
5.9 FIRE FIGHTING EQUIPMENT- Full protective equipment including self contained breathing apparatus.  
If protective equipment is not available, fight fire from a protected location or safe distance.

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## **6. ACCIDENTAL RELEASE MEASURES**

- 6.1 ACCIDENTAL RELEASE- Wear protective clothing. Take up with absorbent material such as sand or sawdust. Place in closable containers for proper disposal (See Sections 12 and 13).

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## **7. HANDLING AND STORAGE**

- 7.1 HANDLING- Avoid contact with eyes and skin. Use with good ventilation. Wash thoroughly after handling.  
7.2 STORAGE- Avoid freezing. Keep out of the reach of children.

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## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- 8.1 RESPIRATORY PROTECTION- Not normally required. Provide good ventilation in work areas.  
8.2 EYE PROTECTION- Avoid eye contact. Safety glasses with side shields.  
8.3 SKIN PROTECTION- Gloves: Disposable, Nitrile or Latex.  
8.4 VENTILATION- Use adequate local exhaust ventilation.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

- 9.1 PHYSICAL STATE- Water thin liquid.  
9.2 COLOR- Beige  
9.3 ODOR- Characteristic  
9.4 BOILING POINT- >100° C  
9.5 FREEZING POINT- 0° C  
9.6 SOLUBILITY IN WATER- Partial to complete.  
9.7 SPECIFIC GRAVITY (WATER=1)- 1.020 +/- 0.020  
9.10 VAPOR PRESSURE (kPa)- < 2.3 (20° C)  
9.11 VAPOR DENSITY (Air = 1)- Not determined.  
9.12 EVAPORATION RATE (Water = 1)- >1  
9.13 pH VALUE- 7.0-9.0 as supplied.  
9.14 COEFFICIENT OF OIL/WATER DISTRIBUTION- Not determined.

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## **10. STABILITY AND REACTIVITY**

- 10.1 STABILITY- Stable.  
10.2 REACTIVITY- Hazardous Polymerization will not occur.  
10.3 MATERIALS TO AVOID- Avoid mixing with acids, bases or water reactive materials.

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## **11. TOXICOLOGICAL INFORMATION**

- 11.1 EXPERIENCE IN PRACTICE- Frequent persistent skin contact can cause skin irritation.  
11.2 OTHER INFORMATION- Product specific toxicological data are not known.

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## **12. ECOLOGICAL INFORMATION**

- 12.1 GENERAL INFORMATION/ECOLOGY- Do not allow spillage to soil, waterways or waste water canals.

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## **13. DISPOSAL CONSIDERATIONS**

- 13.1 Dispose of material in accordance with all Federal, State and local environmental regulations. It is the responsibility of the end user to be in compliance with the regulations presently in force.

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#### **14. TRANSPORT INFORMATION**

**14.1 OTHER INFORMATION-** The product does not constitute a hazardous substance in national or international road, rail, sea and air transport.

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#### **15. REGULATORY INFORMATION**

**15.1 EC LABELING DIRECTIVES -** The product does not require a hazard warning label in accordance with EC directives.

**15.2 NATIONAL REGULATIONS -** Other regulations, restrictions and prohibition regulations.

BAGT no.	616200
Swiss Toxicity Class	[P_ID:6001217!]
VOC (Switzerland)	0%

**15.3 NOTIFICATION STATUS-** United States (TSCA) : All components listed or exempted.  
Canada (DSL) : All components listed or exempted.

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#### **16. OTHER INFORMATION**

**16.1 European Economic Community (EEC)**

**EINECS Master Inventory -** All ingredients included or exempt.

**EEC Symbol -**

**EEC Risk (R) Phrases -**

**EEC Safety Phrases -**

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