

## Safety Data Sheet

### SECTION I – PRODUCT AND COMPANY IDENTIFICATION

- **Product details**
- **Trade name:** MaxWood Polyurethane Hardener
- **Application of the substance / the preparation \***
- **Manufacturer/Supplier:**  
2<sup>nd</sup> industrial zone: New Borg El-Arab City - EGYPT
- **Further information obtainable from:** Product safety department
- **Information in case of emergency:** During normal opening times

### SECTION II – HAZARD IDENTIFICATION

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.  
R 10 Flammable.  
R 67 Vapors may cause drowsiness and dizziness.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **GHS label elements**  
**Warning**  
H226 - Flammable liquid and vapor.  
**Warning**  
H315 - Causes skin irritation.  
H336 - May cause drowsiness or dizziness.
- **Prevention:**  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- **Response:**  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P321 Specific treatment (see on this label).
- **Storage:**  
P405 Store locked up.
- **Disposal:**  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### SECTION III – COMPONENT INFORMATION

- **Chemical characterization**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 123-86-4	n-butyl acetate	R 10-66-67
20-35%		
EINECS: 204-658-1		Warning: 2.6/3; 3.8/3
CAS: 1330-20-7	xylene	Xn, Xi; R 10-20/21-38
2.5-10%		
EINECS: 215-535-7		Warning: 2.6/3; 3.1.D/4,
3.1.I/4, 3.2/2		

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### SECTION IV – FIRST AID INFORMATION

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally, the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

### SECTION V – FIRE AND EXPLOSION INFORMATION

- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** No special measures required.

### SECTION VI – ACCIDENTAL RELEASE MEASURES

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Do not flush with water or aqueous cleansing agents

## SECTION VII – HANDLING AND STORAGE INFORMATION

- **Handling:**
- **Information for safe handling:** \*
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

## SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
  - 123-86-4 n-butyl acetate**  
WEL Short-term value: 966 mg/m<sup>3</sup>, 200 ppm  
Long-term value: 724 mg/m<sup>3</sup>, 150 ppm
  - 1330-20-7 xylene**  
WEL Short-term value: 441 mg/m<sup>3</sup>, 100 ppm  
Long-term value: 220 mg/m<sup>3</sup>, 50 ppm  
Sk; BMGV
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

Tightly sealed goggles

## **SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES**

· **General Information**

**Form:** Fluid

**Colour:** According to product specification

**Odour:** Characteristic

· **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** 124°C

· **Flash point:** 27°C

· **Ignition temperature:** 370°C

· **Self-igniting:** Product is not self-igniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

**Lower:** 1.1 Vol %

**Upper:** 7.5 Vol %

· **Vapor pressure at 20°C:** 10.7 hPa

· **Density:** 0.99-1.01 g/cm<sup>3</sup>

· **Solubility in / Miscibility with**

**water:** Not miscible or difficult to mix.

· **Solvent content:**

**Organic solvents:** 37.0 %

**VOC (EC)** 37.00 %

**Solids content:** 63.0 %

## SECTION X – STABILITY AND REACTIVITY INFORMATION

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:**
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

## SECTION XI – TOXICOLOGICAL INFORMATION

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**  
**1330-20-7 xylene**  
Oral LD50 4300 mg/kg (rat)  
Dermal LD50 2000 mg/kg (rabbit)
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

## SECTION XII – ECOLOGICAL INFORMATION

- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.

## SECTION XIII – DISPOSAL INFORMATION

- **Product:**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.



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## **SECTION XIV – TRANSPORTATION INFORMATION**

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 30
- **UN-Number:** 1993
- **Packaging group:** III
- **Hazard label:** 3
- **Description of goods:** 1993 FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, XYLENES)
- **Tunnel restriction code** D/E
- **Maritime transport IMDG:**
- **IMDG Class:** 3
- **UN Number:** 1993
- **Label** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No
- **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, XYLENES)
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1993
- **Label** 3
- **Packaging group:** III
- **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, XYLENES)
- **UN "Model Regulation":** UN1993, FLAMMABLE LIQUID, N.O.S., 3, III



## **SECTION XV –REGULATORY INFORMATION**

### **· Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

### **· Risk phrases:**

10 Flammable.

67 Vapors may cause drowsiness and dizziness.

### **· Safety phrases:**

2 Keep out of the reach of children.

25 Avoid contact with eyes.

46 If swallowed, seek medical advice immediately and show this container or label.

56 Dispose of this material and its container to hazardous or special waste collection point.

## **SECTION XVI – OTHER INFORMATION**

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