1. **Identification**

1.1. **Product Identifier**

Product Name: XL HM99 High Moisture Adhesive

Other means of identification: Not applicable

Not applicable

1.2. **Relevant identified uses of the substance or mixture and uses advised against**

Recommended use: Adhesive

Restrictions on use: No information available

1.3. **Details of the supplier of the safety data sheet**

**Responsible Party**

Bostik Inc.

198 Nexus Drive

Dalton, GA 30721 USA

Phone: +1 (800) 367-4583 (Domestic Toll Free)

Phone: +1 (706) 272-5800 (Local)

Fax: +1 (706) 272-5801

E-mail: msds@bostik.com

1.4. **Emergency telephone number**

Telephone: Chemtrec: 800-424-9300

Rapid Technical Response: 706-508-5907 Mon-Fri, 8am-5pm est

2. **Hazard(s) identification**

2.1. **Classification of the substance or mixture**

Not a dangerous substance or mixture according to OSHA 29 CFR 1910.1200.

Hazards not otherwise classified (HNOC)

Not applicable

2.2. **Label Elements**

**EMERGENCY OVERVIEW**

Not a dangerous substance or mixture according to OSHA 29 CFR 1910.1200.

**Appearance** Liquid

**Physical state** Liquid

**Odor** Characteristic

2.3. **Other Information**

No information available.
3. Composition/information on ingredients

3.1. Substances
Not applicable.

Mixture

Not a dangerous substance or mixture according to OSHA 29 CFR 1910.1200.

4. First-aid measures

4.1. Description of first aid measures

Inhalation
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

Eye contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do not rub affected area. If eye irritation persists: Get medical advice/attention.

Skin contact
Wash off immediately with plenty of water for at least 15 minutes. In the case of skin irritation or allergic reactions see a physician.

Ingestion
Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms
No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians
Treat symptomatically.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media
Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. CAUTION: Use of water spray when fighting fire may be inefficient.

Large Fire

Unsuitable extinguishing media
Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical
No information available.

Hazardous combustion products
Carbon dioxide (CO2). Carbon oxides.

Explosion data
Sensitivity to mechanical impact None.
5.3. Advice for firefighters

Sensitivity to static discharge

None.

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Evacuate personnel to safe areas. Use personal protective equipment as required.

6.2. Environmental precautions

Environmental precautions

Keep people away from and upwind of spill/leak. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

Reference to other sections

See section 8 for more information. See section 13 for more information.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep from freezing. Keep containers tightly closed in a cool, well-ventilated place.

7.3 References to other sections

Reference to other sections

Section 10: STABILITY AND REACTIVITY
Section 13: DISPOSAL CONSIDERATIONS

8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
8.2. Exposure controls

**Appropriate engineering controls**

**Engineering controls**
- Showers
- Eyewash stations
- Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**
- Wear safety glasses with side shields (or goggles). Avoid contact with eyes.

**Hand protection**
- Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

**Skin and body protection**
- No special protective equipment required.

**Respiratory protection**
- If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General hygiene considerations**
- Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Take off contaminated clothing and wash it before reuse. Regular cleaning of equipment, work area and clothing is recommended.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Liquid</td>
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<td></td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
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<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
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</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
<td></td>
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</tr>
<tr>
<td>pH</td>
<td>8.5</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>100 °C / 212 °F</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 100 °C / 212 °F</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable for liquids</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td>None known</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability or explosive limits</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Lower flammability or explosive limits</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Relative vapor density</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
</tbody>
</table>

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XL HM99 High Moisture Adhesive
Revision Number 2

Revision Date 02-Dec-2020
Supersedes Date: 29-Apr-2019

9.2. Other information
Explosive properties
No information available
Oxidizing properties
No information available
Solvent content (%)
No information available
Solid content (%)
No information available
Softening Point
No information available
Molecular weight
No information available

10. Stability and reactivity

10.1. Reactivity
Reactivity
No information available.

10.2. Chemical stability
Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions
None under normal processing.

10.4. Conditions to avoid
Conditions to avoid
Extremes of temperature and direct sunlight. Do not freeze.

10.5. Incompatible materials
Incompatible materials
None known based on information supplied.

10.6. Hazardous decomposition products
Hazardous decomposition products
Carbon monoxide
Carbon dioxide (CO2)
Hydrocarbons

11. Toxicological information

11.1. Information on toxicological effects
Inhalation
Based on available data, the classification criteria are not met.
Eye contact
Based on available data, the classification criteria are not met.
Skin contact
Based on available data, the classification criteria are not met.
Ingestion
Based on available data, the classification criteria are not met.
Symptoms related to the physical, chemical and toxicological characteristics

Symptoms
No information available.

Acute toxicity
Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document.

<table>
<thead>
<tr>
<th>ATEmix (oral)</th>
<th>33,843.00 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEmix (dermal)</td>
<td>26,692.50 mg/kg</td>
</tr>
</tbody>
</table>

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation
Based on available data, the classification criteria are not met.

Respiratory or skin sensitization
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT - single exposure
Based on available data, the classification criteria are not met.

STOT - repeated exposure
Aspiration hazard
Based on available data, the classification criteria are not met.

Other adverse effects
No information available.

Interactive effects
No information available.

12. Ecological information

12.1. Toxicity

Ecotoxicity

12.2. Persistence and degradability

Persistence and degradability
No information available.

12.3. Bioaccumulative potential

Bioaccumulation
There is no data for this product.

12.4. Mobility in soil

Mobility
No information available.

Other adverse effects
Other adverse effects  No information available.

### 13. Disposal considerations

#### 13.1. Waste treatment methods

**Waste from residues/unused products**

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

**Contaminated packaging**

Dispose of in accordance with federal, state and local regulations.

### 14. Transport information

**Note:** Keep from freezing

**DOT**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

### 15. Regulatory information

#### International Inventories

<table>
<thead>
<tr>
<th>TSCA</th>
<th>Listed</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSL</td>
<td>Listed</td>
</tr>
</tbody>
</table>

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL - Canadian Domestic Substances List

Listed - The components of this product are either listed or exempt from listing on inventory.

Not Listed - One or more components of this product are not listed on inventory.

#### US Federal Regulations

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

#### Europe

**Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU**

This product does not contain Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Diisobutyl phthalate (DIBP) above the regulated limit mentioned in this regulation.

**SVHC: Substances of Very High Concern for Authorization:**
This product does not contain candidate substances of very high concern at a concentration \( \geq 0.1\% \) (Regulation (EC) No. 1907/2006 (REACH), Article 59)

### 16. Other information

**Key or legend to abbreviations and acronyms used in the safety data sheet**

<table>
<thead>
<tr>
<th>Legend</th>
<th>Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWA</td>
<td>TWA (time-weighted average)</td>
</tr>
<tr>
<td>Ceiling</td>
<td>Maximum limit value</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
</tr>
<tr>
<td></td>
<td>STEL (Short Term Exposure Limit)</td>
</tr>
<tr>
<td></td>
<td>* Skin designation</td>
</tr>
</tbody>
</table>

**Revision date** 02-Dec-2020

**Revision note** SDS sections updated. 4. 5. 6. 8. 9. 10. 11. 12. 14. 15.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet