CALABOND 130
ICI Pakistan Ltd.
5 WEST WHARF KARACHI
EMERGENCY TELEPHONE: 111-100-200

SECTION NUMBER AND HEADING
1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND THE COMPANY
2. COMPOSITION/ INFORMATION ON INGREDIENTS
3. HAZARDS IDENTIFICATION
4. FIRST AID MEASURES
5. FIRE FIGHTING MEASURES
6. ACCIDENTAL RELEASE MEASURES
7. STORAGE AND HANDLING
8. EXPOSURE CONTROLS/ PERSONAL PROTECTION
9. PHYSICAL/ CHEMICAL PROPERTIES
10. STABILITY AND REACTIVITY
11. TOXICOLOGICAL INFORMATION
12. ECOLOGICAL INFORMATION
13. DISPOSAL CONSIDERATIONS
14. TRANSPORT INFORMATION
15. REGULATORY INFORMATION
16. OTHER INFORMATION

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND THE COMPANY

1.1 CHEMICAL PRODUCT          CALABOND 130
1.2 PRODUCT LINE             ADHESIVE
1.3 COMPANY IDENTIFICATION  I.C.I Pakistan Ltd.

2. COMPOSITION/ INFORMATION ON INGREDIENTS

2.1 CHEMICAL DESCRIPTION        WATER BASED POLYMER (ADHESIVE)
2.2 HAZARDOUS INGREDIENTS
   C.P.L CLASS  CAS No.  EINECS NO  WT %
   N.A  N.A  N.A  N.A

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
MAY CAUSE IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT
4. FIRST AID MEASURES

4.1 EYE CONTACT
FLUSH EYE LIBERALLY WITH WATER IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.

4.2 SKIN CONTACT
WASH SKIN WITH WATER, USING SOAP

4.3 INGESTION
IMMEDIATELY RINSE MOUTH AND THEN DRINK PLENTY OF WATER, DO NOT INDUCE VOMITING, SEEK MEDICAL ATTENTION, NEVER INDUCE VOMITING OR GIVE ANYTHING BY MOUTH IF THE VICTIM IS UNCONSCIOUS OR HAVING CONVULSIONS OR TREAT SYMPTOMATICALLY.

4.4 INHALATION
NOT APPLICABLE

5. FIRE EXTINGUISHING MEDIA

5.1 EXTINGUISHING MEDIA
WATER SPRAY, DRY EXTINGUISHING MEDIA, FOAM.

5.2 FIRE AND EXPLOSION HAZARDS
AS WITH MOST ORGANIC SOLIDS, FIRE IS POSSIBLE AT ELEVATED TEMPERATURES OR BY CONTACT WITH AN IGNITION SOURCE.

5.3 PROTECTIVE MEASURES
FIREFIGHTERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS AND TURN-OUT GEAR.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS
USE PERSONAL PROTECTIVE CLOTHING

6.2 ENVIRONMENTAL PRECAUTIONS
DO NOT DISCHARGE INTO DRAINS/SURFACE WATERS/GROUNDWATER

6.3 CLEANING UP
FOR SMALL AMOUNTS: PICKUP WITH ABSORBENT MATERIAL (E.G. SAND, SAWDUST, GENERAL-PURPOSE BINDER), DISPOSE OF ABSORBED MATERIAL IN ACCORDANCE WITH REGULATIONS. FOR LARGE AMOUNTS: PUMP OFF PRODUCT.

7. STORAGE AND HANDLING

7.1 STORAGE
PROTECT FROM FIRE AND EXPLOSION.

7.2 RECOMMENDED SHELF LIFE
06 MONTHS

7.3 HANDLING
HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE PRACTISES AND USUAL SAFETY MEASURES

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION
### 8. OCCUPATIONAL EXPOSURE LIMITS
- NOT ASSESSED

### 9. PHYSICAL/ CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.1 APPEARANCE</td>
<td>TRANSLUCENT DISPERSION @ 30 deg C</td>
</tr>
<tr>
<td>9.2 ODOUR</td>
<td>PRODUCT SPECIFIC</td>
</tr>
<tr>
<td>9.3 pH</td>
<td>6 -7 (NEAT)</td>
</tr>
<tr>
<td>9.4 VISCOSITY</td>
<td>25-40 POISE</td>
</tr>
<tr>
<td>9.5 FREEZING POINT</td>
<td>NOT ASSESSED</td>
</tr>
<tr>
<td>9.6 FREEZE THAW RECOVERY</td>
<td>NOT ASSESSED</td>
</tr>
<tr>
<td>9.7 BOILING POINT</td>
<td>NOT ASSESSED</td>
</tr>
<tr>
<td>9.8 MELTING POINT</td>
<td>NOT ASSESSED</td>
</tr>
<tr>
<td>9.9 FLASH POINT</td>
<td>NOT ASSESSED</td>
</tr>
<tr>
<td>9.10 AUTOFLAMMABILITY</td>
<td>NOT ASSESSED</td>
</tr>
<tr>
<td>9.11 EXPLOSIVE PROPERTIES</td>
<td>NOT EXPLOSIVE</td>
</tr>
<tr>
<td>9.12 VAPOUR PRESSURE</td>
<td>NOT ASSESSED</td>
</tr>
<tr>
<td>9.13 VAPOUR DENSITY</td>
<td>NOT ASSESSED</td>
</tr>
<tr>
<td>9.14 RELATIVE DENSITY</td>
<td>NOT ASSESSED</td>
</tr>
<tr>
<td>9.15 SOLUBILITY</td>
<td>DISPERSIBLE IN WATER</td>
</tr>
<tr>
<td>9.16 PARTITION COEFFICIENT</td>
<td>NOT ASSESSED</td>
</tr>
</tbody>
</table>
10. **STABILITY AND REACTIVITY**

10.1 **STABILITY**
STABLE UNDER NORMAL WORKING CONDITIONS.

10.2 **CONDITIONS TO AVOID**
NONE KNOWN

10.3 **MATERIALS TO AVOID**
NONE KNOWN

10.4 **RECOMMENDED MATERIALS FOR EQUIPMENT**
COMPATIBLE WITH MOST MATERIALS

10.5 **HAZARDOUS DECOMPOSITION PRODUCTS**
NONE KNOWN

11. **TOXICOLOGICAL INFORMATION**

11.1 **SHORT TERM EFFECTS**
- **EYE CONTACT**
  IRRITANT TO EYES
- **SKIN CONTACT**
  IRRITANT TO SKIN
- **INGESTION**
  VERY LOW TOXICITY
- **INHALATION**
  NOT APPLICABLE

11.2 **CHRONIC EFFECTS**
NILL

12. **ECOLOGICAL INFORMATION**

12.1 **LC 50**
NOT ASSESSED

12.2 **BOD**
NOT ASSESSED

12.3 **COD**
NOT ASSESSED

12.4 **OTHER**
NOT ASSESSED

13. **DISPOSAL CONSIDERATIONS**
DISPOSE IN ACCORDANCE WITH LOCAL REGULATIONS

14. **TRANSPORT INFORMATION**

- **FREIGHT CLASSIFICATIONS**
  NOT APPLICABLE

- **UN NUMBER**
  NOT APPLICABLE
15. REGULATORY INFORMATION

15.1 C.P.L CLASSIFICATION NOT APPLICABLE
HAZARD PICTOGRAM Xi (IRRITANT)

15.2 OTHER LEGISLATION NOT APPLICABLE

16. OTHER INFORMATION

ISSUE NUMBER 4 DATE OF ISSUANCE FEB, 2016