PEC del Bloque 2

Actividad 2.2

# Tablas de resultados

**Tabla 2.2.1**

Datos de las corrientes (kmol/h) de alimentación al proceso (A), entrada (EHF) y salida (SHF) del reactor del Hidroformilación, y salida gaseosa (SG) y líquida (SL) de los separadores gas-líquido.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Hidroformilación** | | | **SGL1** | | | **SGL2** | | |
| **Reactivos** | **A** | **EHF** | **SHF** | **ESGL1** | **SG SGL1** | **SL SGL1** | **ESGL2** | **SG SGL2** | **SL SGL2** |
| Propileno |  |  |  |  |  |  |  |  |  |
| Propano |  |  |  |  |  |  |  |  |  |
| CO |  |  |  |  |  |  |  |  |  |
| H2 |  |  |  |  |  |  |  |  |  |
| CH4 |  |  |  |  |  |  |  |  |  |
| N2 |  |  |  |  |  |  |  |  |  |
| n-Butiraldehído |  |  |  |  |  |  |  |  |  |
| Isobutiraldehído |  |  |  |  |  |  |  |  |  |
| n-Butanol |  |  |  |  |  |  |  |  |  |
| Isobutanol |  |  |  |  |  |  |  |  |  |
| Fracc. pesadas |  |  |  |  |  |  |  |  |  |
| 2-Etilhexanal |  |  |  |  |  |  |  |  |  |
| 2-Etilhexanol |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |

**Tabla 2.2.2**

Datos las corrientes (kmol/h) de alimentación (F), destilado (D) y fondos (B) de los sistemas de destilación.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **DES1** | | | **DES2** | | |
| **Reactivos** | **F1** | **D1** | **B1** | **F2** | **D2** | **B2** |
| Propileno |  |  |  |  |  |  |
| Propano |  |  |  |  |  |  |
| CO |  |  |  |  |  |  |
| H2 |  |  |  |  |  |  |
| CH4 |  |  |  |  |  |  |
| N2 |  |  |  |  |  |  |
| n-Butiraldehído |  |  |  |  |  |  |
| Isobutiraldehído |  |  |  |  |  |  |
| n-Butanol |  |  |  |  |  |  |
| Isobutanol |  |  |  |  |  |  |
| Fracc. pesadas |  |  |  |  |  |  |
| 2-Etilhexanal |  |  |  |  |  |  |
| 2-Etilhexanol |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |

**Tabla 2.2.3**

Datos de las corrientes (kmol/h) de entrada al reactor (E), salida del reactor (S) y reciclado (R) en los reactores de Craqueo, Condensación Aldólica y Reducción.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Craqueo** | | | **Cond. Aldólica** | | **Reducción** | |
| **Reactivos** | **ECQ** | **RCQ** | **SCQ** | **ECA** | **SCA** | **ERed** | **SRed** |
| Propileno |  |  |  |  |  |  |  |
| Propano |  |  |  |  |  |  |  |
| CO |  |  |  |  |  |  |  |
| H2 |  |  |  |  |  |  |  |
| CH4 |  |  |  |  |  |  |  |
| N2 |  |  |  |  |  |  |  |
| n-Butiraldehído |  |  |  |  |  |  |  |
| Isobutiraldehído |  |  |  |  |  |  |  |
| n-Butanol |  |  |  |  |  |  |  |
| Isobutanol |  |  |  |  |  |  |  |
| Fracc. pesadas |  |  |  |  |  |  |  |
| 2-Etilhexanal |  |  |  |  |  |  |  |
| 2-Etilhexanol |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |

**Tabla 2.2.4**

Datos sobre las etapas de equilibrio y los requerimientos energéticos de las diferentes corrientes de la columna de butiraldehídos.

|  |  |
| --- | --- |
| hF (J/mol) |  |
| H1 (J/mol) |  |
| hD (J/mol) |  |
| qD (J/min) |  |
| QD (J/mol) |  |
| hB (J/mol) |  |
| qB (J/min) |  |
| QB (J/mol) |  |
| Nº Etapas teóricas de equilibrio |  |
| Etapa de Alimentación |  |