



DP-1403041

| 1. Description | |
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| Heat stabilizers & Anti-oxidants for Polyol(PPG) | |
| The urethane foam made by polymerization of TDI and polyol(PPG). Owing to its good physical property, it is used in variety field of construction material, car seat, shoes, woman bra, diaper and so on. DP-1403041 is a revolutionary liquid heat stabilizer blend for PPG and PU flexible foams. It exhibits good resistance to scorching, fogging and heat. | |
| 2. Properties | |
| Appearance | White liquid |
| Main Component | Sterically hindered phenol, Benzoate derivative |
| 3. Benefits | |
| 1 | Revolutionary liquid heat stabilizer blend for polyether and polyurethane flexible foams. |
| 2 | Exhibits good resistance to scorching, fogging and heat. |
| 3 | Possesses outstanding resistance for foam. |
| 4 | Cheaper and higher performance. |
| 4. Application | |
| Depending on the process condition, the usage can be controlled | |
| Recommend dosage | 1.0 wt% |
| Range | 0.5 ~ 3.0 wt% (as 100 wt% polyol) |
| 5. Handling & Storing | |
| 1 | Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mist. |
| 2 | Store in a well ventilated place. |
| 3 | In case of contact, immediately wash skin with plenty of water. |
| 4 | If possible, avoid contact with oxygen during storage. |
| 6. Packing | |
| Pail | 20 kg |
| Steel open drum | 100 kg |



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| 7. Test result | | | |
|--|----------|-------------------|--------------------|
| | 1) Blank | 2) Company A (1%) | 3) DP-1403041 (1%) |
| Case A) Oven temp. : 200°C Time : 2 hr | | | |
| Case B) Oven temp. : 230°C Time : 10 min | | | |

- 1) without any additive added
- 2) with 1% of company A's foam additive added
- 3) with 1% of DP-1403041 added