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**CUROX<sup>®</sup>**

**Thermoset Applications**

| PRODUCT CODE                                                     | CHEMICAL STRUCTURE                                                             | ACTIVE OXYGEN CONTENT | PEROXIDE CONTENT | SAFETY INFORMATION              |      | APPLICATION TEMPERATURE |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  | SPECIAL RESINS        |            |                    |                |                |
|------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------|------------------|---------------------------------|------|-------------------------|----------------------|-----------------|------------------------------------|----------|--------------|-------------------------------|----------------------|----------|------------------------------|-----------------------------|------------------|-----------------------|------------|--------------------|----------------|----------------|
|                                                                  |                                                                                |                       |                  | Recommended Storage Temperature | SADT |                         | Hand Lay-up/Spray-up | Casting/Winding | Polymer Concrete & Marble, Buttons | Gelcoats | Body Fillers | Chemical Anchors & Mine bolts | RTM, Vacuum Infusion | Coatings | Resin Transfer Molding (RTM) | Cured In Place Pipes (CIPP) | Engineered Stone | Continuous Laminating | Pultrusion | SMC, BMC, GMC, TMC | SPECIAL RESINS | Acrylic Resins |
| Ketone Peroxides                                                 |                                                                                | %                     | %                | °C                              | °C   |                         | Ambient              |                 |                                    |          |              |                               |                      | Elevated |                              |                             | High             |                       |            |                    |                |                |
| Methyl ethyl ketone peroxide (CAS No. 1338-23-4)                 |                                                                                |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |                |
| CUROX®M-303 *                                                    | General purpose MEKP with medium reactivity                                    | 9.1                   |                  | max. 30                         | 60   |                         | ●                    | ●               | ●                                  | ●        | ●            |                               | ●                    |          | ●                            |                             | ●                |                       |            |                    |                |                |
| CUROX®M-403 *                                                    | Faster gel & cure than CUROX®M-303                                             | 9.7                   |                  | max. 30                         | 60   |                         | ●                    | ●               | ●                                  | ●        | ●            |                               | ●                    |          | ●                            |                             | ●                |                       |            |                    |                |                |
| CUROX®M-503 *                                                    | Faster gel than CUROX®M-403                                                    | 9.5                   |                  | max. 30                         | 60   |                         | ●                    | ●               | ●                                  |          |              |                               |                      |          | ●                            |                             | ●                |                       |            |                    |                |                |
| CUROX®M-370                                                      | Mixture with similar gel time but faster cure than CUROX®M-312                 | 7.7                   |                  | max. 30                         | 60   |                         | ●                    | ●               | ●                                  |          |              |                               | ●                    |          | ●                            |                             | ●                |                       |            |                    |                |                |
| Methyl ethyl ketone peroxide (phthalatefree) (CAS No. 1338-23-4) |                                                                                |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |                |
| CUROX®M-312 *                                                    | General purpose MEKP with medium reactivity, approved gelcoat type             | 8.9                   |                  | max. 30                         | 60   |                         | ●                    | ●               | ●                                  | ●        | ●            |                               | ●                    |          | ●                            |                             | ●                |                       |            |                    |                |                |
| CUROX®M-102 *                                                    | MEKP designed for UP, VE resins, less foaming                                  | 8.6                   |                  | max. 30                         | 60   |                         | ●                    | ●               |                                    | ●        |              |                               |                      | ●        | ●                            |                             | ●                |                       |            |                    | ●              |                |
| CUROX®M-202                                                      | General purpose MEKP                                                           | 9.1                   |                  | max. 30                         | 60   |                         | ●                    | ●               | ●                                  | ●        | ●            |                               | ●                    | ●        | ●                            |                             | ●                |                       |            |                    |                |                |
| CUROX®M-402                                                      | Faster gel than CUROX®M-403                                                    | 9.8                   |                  | max. 30                         | 60   |                         | ●                    | ●               | ●                                  |          |              |                               |                      |          | ●                            |                             | ●                |                       |            |                    |                |                |
| Acetylacetone peroxide (CAS No. 13704-51-5)                      |                                                                                |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |                |
| CUROX®A-300                                                      | Standard AAP                                                                   | 4.1                   |                  | 10-25                           | 60   |                         | ●                    | ●               | ●                                  |          |              |                               | ●                    |          | ●                            |                             | ●                |                       |            |                    |                |                |
| CUROX®A-390                                                      | AAP with improved cure performance                                             | 4.5                   |                  | 0-25                            | 60   |                         | ●                    | ●               |                                    | ●        |              |                               | ●                    |          | ●                            |                             | ●                |                       |            |                    |                |                |
| CUROX®A-390W                                                     | AAP for potable water application, improved cure performance                   | 3.9                   |                  | 5-25                            | 60   |                         | ●                    | ●               |                                    |          |              |                               | ●                    |          | ●                            |                             | ●                |                       |            |                    |                |                |
| Methyl isobutyl ketone peroxide (CAS No. 37206-20-5)             |                                                                                |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |                |
| CUROX®I-300                                                      | High reactive MIBKP in aliphatic hydrocarbons                                  | 10.5                  |                  | max. 25                         | 50   |                         |                      | ●               | ●                                  |          |              |                               |                      |          | ●                            |                             |                  |                       | ●          | ●                  |                | ●              |
| Hydroperoxides                                                   |                                                                                |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |                |
| Cumyl hydroperoxide (CAS No. 80-15-9)                            |                                                                                |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |                |
| CUROX®CUHP                                                       | Low exotherm temp, for thicker laminates                                       | 8.5                   | 80-85            | max. 30                         | 60   |                         | ●                    | ●               |                                    |          |              |                               | ●                    |          |                              |                             | ●                |                       |            |                    | ●              |                |
| CUROX®CP-50 **                                                   | Promoted CUROX®CUHP for fast curing of some VE resins                          | 4.5                   |                  | max. 30                         | 60   |                         | ●                    | ●               |                                    |          |              |                               | ●                    |          | ●                            |                             | ●                |                       |            |                    | ●              |                |
| CUROX®CM-70 *                                                    | Lower exotherm temp, longer gel & cure than CUROX®CM-75, for thicker laminates | 9.3                   |                  | max. 30                         | 60   |                         | ●                    | ●               |                                    |          |              |                               | ●                    |          | ●                            |                             |                  |                       |            |                    | ●              |                |
| CUROX®CM-75 *                                                    | Lower exotherm temp, long gel time, good final cure, for thicker laminates     | 8.9                   |                  | max. 60                         | 60   |                         | ●                    | ●               |                                    |          |              |                               | ●                    |          | ●                            |                             |                  |                       |            |                    | ●              |                |
| Diacyl Peroxides                                                 |                                                                                |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |                |
| Dibenzoyl peroxide (CAS No. 94-36-0)                             |                                                                                |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |                |
| BENOX®L-40LV-EU                                                  | 40 %, sprayable BPO dispersion                                                 | 2.6                   | 40               | 0-25                            | 50   |                         | ●                    |                 | ●                                  |          | ●            | ●                             | ●                    | ●        | ●                            |                             |                  |                       |            | ●                  | ●              |                |
| BENOX®C-50                                                       | 50 % BPO powder with phtalate                                                  | 3.3                   | 50               | max. 30                         | 60   |                         | ●                    |                 | ●                                  |          | ●            | ●                             |                      | ●        | ●                            |                             |                  |                       |            | ●                  | ●              |                |
| BENOX®C-50S                                                      | 50 % BPO powder with phtalate, free flowing (chalk)                            | 3.3                   | 50               | max. 30                         | 60   |                         | ●                    |                 | ●                                  |          | ●            | ●                             |                      | ●        | ●                            |                             |                  |                       |            | ●                  | ●              |                |
| BENOX®C-50PF                                                     | 50 % BPO powder phtalate-free, free flowing (chalk)                            | 3.3                   | 50               | max. 30                         | 60   |                         | ●                    |                 | ●                                  |          | ●            | ●                             |                      | ●        | ●                            |                             |                  |                       |            | ●                  | ●              |                |
| BENOX®A-75                                                       | 75 % BPO granules in water                                                     | 5.0                   | 75               | 0-25                            | 70   |                         | ●                    |                 | ●                                  |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                | ●              |

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\* Available as red coloured system for improved homogenization during mixing. The colour disappears in the curing process.

\*\* Available as red colored system for improved homogenization during the hole process. The colour remains in the final product.

| PRODUCT CODE                                                                        | CHEMICAL STRUCTURE                                           | ACTIVE OXYGEN CONTENT | PEROXIDE CONTENT | SAFETY INFORMATION              |      | APPLICATION TEMPERATURE |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |             |                |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------|------------------|---------------------------------|------|-------------------------|----------------------|-----------------|------------------------------------|----------|--------------|-------------------------------|----------------------|----------|------------------------------|-----------------------------|------------------|-----------------------|------------|--------------------|----------------|-------------|----------------|
|                                                                                     |                                                              |                       |                  | Recommended Storage Temperature | SADT |                         | Hand Lay-up/Spray-up | Coating/Winding | Polymer Concrete & Marble, Buttons | Gelcoats | Body Fillers | Chemical Anchors & Mine bolts | RTM, Vacuum Infusion | Coatings | Resin Transfer Molding (RTM) | Cured In Place Pipes (CIPP) | Engineered Stone | Continuous Laminating | Pultrusion | SMC, BMC, GMC, TMC | SPECIAL RESINS | Vinylesters | Acrylic Resins |
| Peresters                                                                           |                                                              | %                     | %                | °C                              | °C   |                         | Ambient              |                 |                                    |          |              |                               |                      |          | Elevated                     |                             | High             |                       |            |                    |                |             |                |
| <i>tert</i> -Butylperbenzoate<br>(CAS No. 614-45-9)                                 |                                                              |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |             |                |
| TBPB                                                                                | High efficient perester, lowest residual styrene             | 8.1                   | >98              | 10-30                           | 60   |                         |                      |                 |                                    |          |              |                               |                      |          | ●                            | ●                           | ●                |                       | ●          | ●                  | ●              |             |                |
| TBPB-HA-M1                                                                          | Promoted TBPB for elevated/high temperature processes        | 7.4                   | 90               | 10-30                           | 60   |                         |                      |                 |                                    |          |              | ●                             |                      |          | ●                            | ●                           | ●                |                       | ●          | ●                  | ●              |             |                |
| TBPB-HA-M3                                                                          | Higher promoted TBPB for elevated/high temperature processes | 6.6                   | 80               | 10-30                           | 60   |                         |                      |                 |                                    |          |              | ●                             |                      |          | ●                            | ●                           | ●                |                       | ●          | ●                  | ●              |             |                |
| <i>tert</i> -Butylperoxy-2-ethylhexylcarbonate<br>(CAS No. 34443-12-4)              |                                                              |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |             |                |
| TBPEHC                                                                              | High efficient, low TOC-emission                             | 6.4                   | 97               | max. 30                         | 70   |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       | ●          | ●                  | ●              |             |                |
| <i>tert</i> -Amylperoxy-2-ethylhexylcarbonate<br>(CAS No. 34443-12-4)               |                                                              |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |             |                |
| TAPEHC                                                                              | High efficient, low TOC-emission                             | 5.8                   | 95               | max.20                          | 55   |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       | ●          | ●                  | ●              |             |                |
| <i>tert</i> -Butylperoxy-2-ethylhexanoate<br>(CAS No. 3006-82-4)                    |                                                              |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |             |                |
| TBPEH                                                                               | Fast perester, reduced cycle times                           | 7.3                   | 99               | max. 10                         | 40   |                         |                      |                 |                                    |          |              |                               |                      |          |                              | ●                           |                  |                       | ●          | ●                  |                |             |                |
| TBPEH-LA-M3                                                                         | Longer prepreg shelflife                                     | 6.7                   | 90               | max. 15                         | 40   |                         |                      |                 |                                    |          |              |                               |                      |          |                              | ●                           |                  |                       | ●          | ●                  |                |             |                |
| <i>tert</i> -Amylperoxy-2-ethylhexanoate<br>(CAS No. 686-31-7)                      |                                                              |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |             |                |
| TAPEH                                                                               | Fast perester, reduced cycle times                           | 6.9                   | 99               | max. 10                         | 40   |                         |                      |                 |                                    |          |              |                               |                      |          |                              | ●                           |                  |                       | ●          | ●                  |                |             |                |
| <i>tert</i> -Butylperoxy-3,5,5-trimethylhexanoate<br>(CAS No. 13122-18-4)           |                                                              |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |             |                |
| TBPIN                                                                               | High efficient perester, drinking water application          | 6.9                   | 99               | max. 30                         | 60   |                         |                      |                 |                                    |          |              |                               |                      |          |                              | ●                           | ●                |                       | ●          | ●                  | ●              |             |                |
| TBPIN-HA-M1                                                                         | Promoted TBPIN for elevated temperature processes            | 6.3                   | 90               | max. 30                         | 55   |                         |                      |                 |                                    |          |              | ●                             |                      |          | ●                            | ●                           | ●                |                       | ●          | ●                  | ●              |             |                |
| Peroxidicarbonates                                                                  |                                                              |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |             |                |
| Di(4- <i>tert</i> -butylcyclohexyl)peroxydicarbonate<br>(CAS No. 15520-11-3)        |                                                              |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |             |                |
| BCHPC                                                                               | Fast kick off peroxide for two step curing                   | 3.8                   | >96              | max. 20                         | 45   |                         |                      |                 |                                    |          |              |                               | ●                    |          | ●                            |                             |                  |                       | ●          | ●                  |                |             | ●              |
| Perketals                                                                           |                                                              |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |             |                |
| 1,1-Di( <i>tert</i> -amylperoxy)cyclohexane<br>(CAS No. 15667-10-4)                 |                                                              |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |             |                |
| ACH-80-AL3                                                                          | Improved SMC surface properties                              | 8.8                   | 80               | max. 30                         | 60   |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       | ●          | ●                  |                |             |                |
| 1,1-Di( <i>tert</i> -butylperoxy)cyclohexane<br>(CAS No. 3006-86-8)                 |                                                              |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |             |                |
| CH-80-AL (AL3)                                                                      | Higher concentrated version, moderate exothermal reaction    | 9.7                   | 80               | max. 30                         | 60   |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       | ●          | ●                  |                |             |                |
| 1,1-Di( <i>tert</i> -butylperoxy)-3,3,5-trimethylcyclohexane<br>(CAS No. 6731-36-8) |                                                              |                       |                  |                                 |      |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       |            |                    |                |             |                |
| TMCH-90-AL                                                                          | Most efficient perketale                                     | 9.5                   | 90               | max. 30                         | 60   |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       | ●          | ●                  |                |             |                |
| TMCH-HA-M1                                                                          | Accelerated curing performance                               | 5.8                   | mix              | max. 20                         | 50   |                         |                      |                 |                                    |          |              |                               |                      |          |                              |                             |                  |                       | ●          | ●                  |                |             |                |



# Safety Information

## Half-life

Peroxide decomposition rates are commonly reported in terms of half-life time or when 50% of the peroxide has decomposed at a certain temperature. Recommended organic peroxide heat temperatures commonly reflect the half-life time at 10 hours, 1 hour and 1 minute. The higher the half-life temperature, the more stable the peroxide. Half-life temperatures can vary based on formulations and solvents.

Using the Arrhenius equation, acronyms related to half-life time include:

$$k_d = A \cdot e^{-EA/RT} \text{ and } t_{1/2} = \ln 2/k_d$$

$k_d$ : Rate constant of the peroxide dissociation

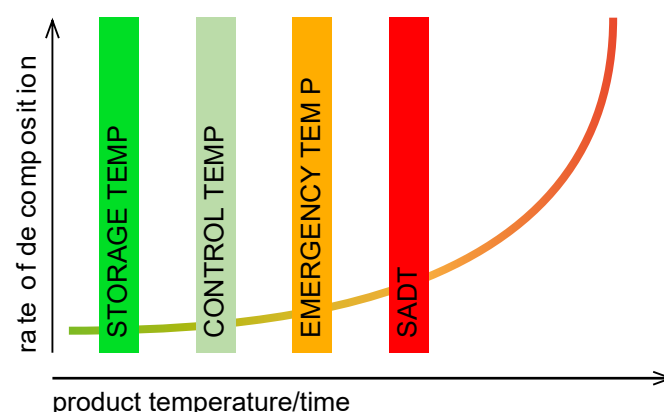
A: Arrhenius frequency factor

$E_A$ : Activation energy for the dissociation

R: Ideal gas constant

T: Temperature

$t_{1/2}$ : Half-life time



Controlling the temperature is the most important constant. If the temperature is maintained well below its self-accelerating decomposition temperature (SADT), most hazards are avoided when shipping, handling or storing. For storage over a longer period of time, follow the manufacturer's temperature recommendations.

## Self-Accelerating Decomposition Temperature (SADT)

The SADT is the lowest constant temperature for self-accelerating decomposition when transporting packaged peroxides. At the SADT, when elevated heat temperatures from decomposition exceed the heat loss, over time, the peroxide's temperature increases and it decomposes faster or self-accelerates. The final decomposition may be uncontrollable.

## Minimum/Maximum Recommended Storage Temperature

The maximum recommended storage temperature is lower than the control temperature for quality assurance purposes not safety. Keep in mind, some liquid or paste organic peroxides must not be stored below a certain minimum temperature as turbidity, phase separation, crystal deposits or solidification can occur.

## Control Temperature ( $T_c$ )

The  $T_c$  is the maximum transportation temperature recommended for the product's estimated time of arrival.  $T_c$  is not required if the SADT exceeds 50°C (122°F). Generally, the  $T_c$  mirrors SADT canister guidelines.

$$T_c = \text{SADT minus } 20^\circ\text{C if SADT} < 20^\circ\text{C}$$

$$T_c = \text{SADT minus } 15^\circ\text{C if SADT} < 35^\circ\text{C}$$

$$T_c = \text{SADT minus } 10^\circ\text{C if SADT} < 50^\circ\text{C}$$

SADT transportation temperatures are based on recommendations by the UN Committee of Experts on the Transportation of Dangerous Goods.

## Emergency Temperature ( $T_e$ )

The control temperature  $T_c$  is supplemented by an emergency temperature,  $T_e$ , which is higher than the  $T_c$  but still well below the SADT. The  $T_c$  may be exceeded if maintenance is necessary or until alternative cooling such as dry or wet ice is available. However, if the  $T_e$  is reached, emergency procedures must be implemented immediately – for instance, cooling down the organic peroxides.

| Product Code | Chemical Name                                                 | Storage Temperature | EA [kJ/mol] | Half Life [°C] |     |       |
|--------------|---------------------------------------------------------------|---------------------|-------------|----------------|-----|-------|
|              |                                                               |                     |             | 10 h           | 1 h | 1 min |
| IBP          | Diisobutyl peroxide                                           | ●                   | 110         | 23             | 39  | 73    |
| CUPND        | Cumyl peroxyneodecanoate                                      | ●                   | 115         | 38             | 55  | 90    |
| TOPND        | 1,1,3,3-Tetramethylbutyl peroxyneodecanoate                   | ●                   | 117         | 40             | 57  | 92    |
| TAPND        | <i>tert</i> -Amyl peroxyneodecanoate                          | ●                   | 113         | 44             | 62  | 100   |
| CEPC         | Dicetyl peroxydicarbonate                                     | ●                   | 124         | 41             | 57  | 90    |
| MYPC         | Dimyristyl peroxydicarbonate                                  | ●                   | 124         | 41             | 57  | 90    |
| SBPC         | Di-sec-butyl peroxydicarbonate                                | ●                   | 120         | 41             | 57  | 90    |
| EHPC         | Di-2-ethylhexyl peroxydicarbonate                             | ●                   | 121         | 47             | 64  | 83    |
| TBPND        | <i>tert</i> -Butyl peroxyneodecanoate                         | ●                   | 121         | 47             | 64  | 100   |
| BCHPC        | Di-4- <i>tert</i> -butylcyclohexyl peroxydicarbonate          | ●                   | 129         | 48             | 64  | 82    |
| NBPC         | Di- <i>n</i> -butyl peroxydicarbonate                         | ●                   | 130         | 49             | 65  | 99    |
| TBPNH        | <i>tert</i> -Butyl peroxyneooheptanoate                       | ●                   | 116         | 51             | 69  | 107   |
| TAPPI        | <i>tert</i> -Amyl peroxypropionate                            | ●                   | 121         | 53             | 71  | 110   |
| DCLBP        | Di-2,4-dichlorobenzoyl peroxide                               | ●                   | 121         | 54             | 72  | 110   |
| TBPPI        | <i>tert</i> -Butyl peroxypropionate                           | ●                   | 121         | 56             | 74  | 110   |
| INP          | Di-3,5,5-trimethylhexanoyl peroxide                           | ●                   | 117         | 59             | 78  | 120   |
| DP           | Didecanoyl peroxide                                           | ●                   | 126         | 62             | 80  | 120   |
| LP           | Dilauroyl peroxide                                            | ●                   | 126         | 62             | 80  | 120   |
| AIBN         | 2,2'-Azobis(isobutyronitrile)                                 | ●                   | 130         | 62             | 80  | 120   |
| DHPEH        | 2,5-Dimethyl-2,5-di(2-ethylhexanoylperoxy) hexane             | ●                   | 137         | 67             | 84  | 125   |
| PMBP         | Di-4-methylbenzoyl peroxide                                   | ●                   | 125         | 70             | 89  | 130   |
| BP           | Dibenzoyl peroxide                                            | ●                   | 126         | 72             | 91  | 130   |
| TAPEH        | <i>tert</i> -Amyl peroxy-2-ethylhexanoate                     | ●                   | 126         | 72             | 91  | 130   |
| TBPEH        | <i>tert</i> -Butyl peroxy-2-ethylhexanoate                    | ●                   | 135         | 74             | 92  | 130   |
| TBPIB        | <i>tert</i> -Butyl peroxyisobutyrate                          | ●                   | 130         | 77             | 96  | 135   |
| TBPM         | <i>tert</i> -Butyl monoperoxysebacate                         | ●                   | 116         | 82             | 104 | 150   |
| ACH          | 1,1-Di( <i>tert</i> -amylperoxy)cyclohexane                   | ●                   | 135         | 87             | 106 | 152   |
| MIKP         | Methyl isobutyl ketone peroxide                               | ●                   | 125         | 90             | 110 | 155   |
| TAPEHC       | <i>tert</i> -Amylperoxy-(2-ethylhexyl)carbonate               | ●                   | 151         | 95             | 113 | 150   |
| TMCH         | 1,1-Di( <i>tert</i> -butylperoxy)-3,5,5-trimethyl-cyclohexane | ●                   | 143         | 95             | 114 | 155   |
| CH           | 1,1-Di( <i>tert</i> -butylperoxy)cyclohexane                  | ●                   | 138         | 97             | 117 | 160   |
| TBPIC        | <i>tert</i> -Butyl peroxyisopropyl carbonate                  | ●                   | 138         | 97             | 117 | 160   |
| TBPIN        | <i>tert</i> -Butyl peroxy-3,5,5-trimethylhexanoate            | ●                   | 147         | 100            | 119 | 160   |
| TBPEHC       | <i>tert</i> -Butyl peroxy-2-ethylhexyl carbonate              | ●                   | 128         | 100            | 122 | 175   |
| TBPA         | <i>tert</i> -Butyl peroxyacetate                              | ●                   | 149         | 102            | 121 | 160   |
| TAPB         | <i>tert</i> -Amyl peroxybenzoate                              | ●                   | 143         | 102            | 122 | 160   |
| TBPB         | <i>tert</i> -Butyl peroxybenzoate                             | ●                   | 143         | 104            | 124 | 165   |
| BU           | 2,2-Di( <i>tert</i> -butylperoxy)butane                       | ●                   | 143         | 104            | 124 | 165   |
| NBV          | <i>n</i> -Butyl-4,4-di( <i>tert</i> -butylperoxy)valerate     | ●                   | 141         | 110            | 131 | 175   |
| EBU          | Ethyl-3,3-di( <i>tert</i> -butylperoxy)butyrate               | ●                   | 144         | 114            | 135 | 180   |
| DCUP         | Dicumyl peroxide                                              | ●                   | 152         | 116            | 136 | 175   |
| BCUP         | <i>tert</i> -Butyl cumyl peroxide                             | ●                   | 154         | 118            | 138 | 180   |
| DTAP         | Di( <i>tert</i> -amyl) peroxide                               | ●                   | 129         | 118            | 142 | 190   |
| DIPP         | Di[2-( <i>tert</i> -butylperoxy)-isopropyl]benzene            | ●                   | 142         | 120            | 142 | 190   |
| DHBP         | 2,5-Dimethyl-2,5-di( <i>tert</i> -butylperoxy)hexane          | ●                   | 142         | 120            | 142 | 190   |
| DTBP         | Di( <i>tert</i> -butyl) peroxide                              | ●                   | 152         | 125            | 146 | 190   |
| DYBP         | 2,5-Dimethyl-2,5-di( <i>tert</i> -butylperoxy)hexyne-3        | ●                   | 154         | 128            | 149 | 195   |
| CUHP         | Cumyl hydroperoxide                                           | ●                   | 133         | 140            | 166 | 223   |
| TBHP         | <i>tert</i> -Butyl hydroperoxide                              | ●                   | 149         | 173            | 200 | 260   |
| CUROX®CC-DC  | 2,3-Dimethyl-2,3-diphenylbutane                               | ●                   | 195         | 210            | 234 | 285   |

Colour code for storage temperature:

● = Deep refrigeration ● = Moderate refrigeration ● = Ambient temperature

UNITED INITIATORS – CUROX® 7  
For precise values see specific product data sheets



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