

Helaian Data Keselamatan

Safety data sheet

Mukasurat (Page): 1/27

BASF Helaian Data Keselamatan (BASF Safety data sheet)

Tarikh / Disemak (Date / Revised): 16.02.2024

Versi (Version): 4.0

Produk (Product): **Hydropalat® WE 3185 EL**

(30692213/SDS_GEN_MY/MS)

Tarikh cetakan (Date of print): 21.10.2025

1. Pengenalan bahan kimia dan pembekal

Hydropalat® WE 3185 EL

Nama bahan kimia: Hexan-1-ol, ethoxylated

Nombor CAS: 31726-34-8

Kegunaan: agen pembasah, bahan tambah untuk dakwat, varnis atau penyalutan, Agen Perataan

Syarikat:

BASF (Malaysia) Sdn Bhd
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2. Pengenalan Bahaya

Pengelasan bahan dan campuran:

Toks. Akut 4 (oral)

Kros./Kreng. Mata 1

Bagi pengelasan yang tidak ditulis dengan penuh dalam bahagian ini, teks lengkap boleh didapati di bahagian 16.

Unsur label dan pernyataan berjaga-jaga:

Piktogram:



Kata Isyarat:
bahaya

Pernyataan Bahaya:

H318 Menyebabkan kerosakan mata yang serius.
H302 Memudaratkan jika tertelan.

Pernyataan Berjaga-jaga (Pencegahan):

P280 Pakai pelindung mata dan muka.
P270 Jangan makan, minum atau merokok semasa menggunakan produk ini.
P264 Basuh bahagian badan yang tercemar dengan sepenuhnya selepas pengendalian.

Pernyataan Berjaga-jaga (Tindak Balas):

P305 + P351 + P338 JIKA TERKENA MATA: Bilas berhati-hati dengan air selama beberapa minit. Tanggalkan kanta lekap, jika ada dan dapat dilakukan dengan mudah. Teruskan membilas.
P310 Segera hubungi PUSAT RACUN atau pakar perubatan.
P330 Bilas mulut.

Pernyataan Berjaga-jaga (Pelupusan):

P501 Buangkan kandungan dan bekas ke tempat pengumpulan bahan sisa merbahaya atau khas.

Bahaya lain yang tidak menyebabkan pengelasan:

Tiada bahaya khusus yang diketahui jika peraturan/nota tentang penyimpanan dan pengendalian diberikan perhatian.

Produk ini tidak mengandungi bahan yang memenuhi kriteria PBT (keterusan/bioakumulasi/toksik) atau kriteria vPvB (sangat berterusan/sangat bioakumulasi).

Produk tidak mengandungi bahan melebihi had undang-undang yang termasuk di dalam senarai yang disediakan mengikut Artikel 59(1) Peraturan (EC) No. 1907/2006 kerana mengandungi ciri-ciri gangguan endokrin atau telah dikenalpasti untuk mengandungi ciri-ciri gangguan endokrin mengikut kriteria yang ditetapkan dalam Peraturan Wakil Suruhanjaya (EU) 2017/2100 atau Peraturan Suruhanjaya (EU) 2018/605.

Zat aktif permukaan ini mematuhi kriteria keterbiodegradasikan seperti yang ditetapkan dalam Peraturan (EC) No.648/2004 tentang bahan cuci. Data untuk menyokong fakta ini adalah di bawah kawalan pihak berkuasa kompeten Negara Anggota, dan data ini boleh didapati secara terus oleh Negara Anggota atau atas permintaan pengilang bahan cuci.

3. Komposisi dan Maklumat Mengenai Ramuan Bahan Kimia

Keadaan kimia

Polimer berdasarkan :

Hexan-1-ol, ethoxylated

Nombor CAS: 31726-34-8

Ramuan berbahaya

2-(2-hexyloxyethoxy)ethanol

Kandungan (berat/berat): $\geq 1\%$ - Toks. Akut 4 (dermis)

$< 7\%$

Kros./Kreng. Mata 1

Nombor CAS: 112-59-4

STOT SE 3 (drowsiness and dizziness)

Bagi pengelasan yang tidak ditulis dengan penuh dalam bahagian ini, teks lengkap boleh didapati di bahagian 16.

4. Langkah-Langkah Pertolongan Cemas

Nasihat am:

Tanggalkan pakaian yang tercemar.

Jika tersedut:

Tenangkan pesakit, alihkan ke tempat berudara bersih, dapatkan rawatan perubatan. Segera sedut aerosol dos kortikosteroid.

Apabila terkena kulit:

Segera basuh bersih-bersih dengan air yang banyak, gunakan balutan steril, rujuk pakar kulit.

Apabila terkena mata:

Segera basuh mata yang terkena produk selama sekurang-kurangnya 15 minit di bawah aliran air dengan membuka mata, rujuk pakar mata.

Apabila tertelan:

Segera berkumur, kemudian minum 200-300 ml air, dapatkan rawatan perubatan.

Nota kepada doktor:

Gejala: Maklumat, iaitu maklumat tambahan mengenai simptom dan kesan boleh termasuk di dalam fasa palabelan GHS yang tersedia ada dalam Seksyen 2 dan di dalam penaksiran Toksikologi yang tersedia ada dalam Seksyen 11., Simptom dan/atau kesan tidak diketahui setakat ini

Nota kepada doktor:

Rawatan: Rawat mengikut gejala (nyahcemar, fungsi utama), tiada penawar khusus diketahui.

5. Langkah-Langkah Pemadaman Kebakaran

Bahan pemadam yang sesuai:

semburan air, serbuk kering, busa

Bahaya tertentu:

wap yang merbahaya, karbon oksida

Evolusi wasap/kabus. Bahan/kumpulan bahan yang dinyatakan boleh dibebaskan jika berlaku kebakaran.

Peralatan perlindungan khusus:

Gunakan alat pernafasan serba lengkap.

Maklumat lanjut:

Tahap risiko ditentukan oleh bahan yang terbakar dan keadaan kebakaran. Air pemadam api yang tercemar mestilah dilupuskan mengikut peraturan rasmi.

6. Langkah-Langkah Pelepasan Tidak Sengaja

Perlindungan diri, kelengkapan pelindung dan tatacara kecemasan:

Untuk kakitangan bukan kecemasan:Gunakan pakaian pelindung diri.Maklumat berhubung dengan langkah pencegahan diri lihat bahagian 8.Untuk responder kecemasan:Ambil langkah perlindungan yang sesuai.

Langkah berjaga-jaga untuk alam sekitar:

Bendung air yang tercemar/air yang digunakan untuk memadam kebakaran. Jangan lepaskan ke dalam parit/air permukaan/air tanah.

Kaedah pembersihan atau penyerapan:

Bagi sejumlah besar: Bina benteng tumpahan. Pam produk.

Bagi baki: Kutip dengan bahap penyerap yang sesuai.

Lupuskan bahan yang diserap mengikut peraturan.

Maklumat tambahan: Risiko tergelincir yang tinggi disebabkan oleh kebocoran/tumpahan produk.

7. Pengendalian dan Penyimpanan

Pengendalian

Jangan makan, minum, merokok atau menggunakan tembakau di tempat kerja. Basuh tangan sebelum berehat dan pada masa penghabisan kerja. Tanggalkan pakaian yang tercemar dan alat pelindung sebelum memasuki tempat makan.

Perlindungan terhadap kebakaran dan letupan:

Tiada langkah berjaga-jaga yang khusus diperlukan.

Penyimpanan

Bahan yang sesuai untuk bekas: Keluli tahan karat 1.4301 (V2), Keluli tahan karat 1.4401, Keluli tahan karat 1.4539, Keluli tahan karat 1.4541, Keluli tahan karat 1.4571, kaca, Polietilena ketumpatan tinggi (HDPE), Polietilena ketumpatan rendah (LDPE), keluli karbon (besi), timah (kepingan timah)

Maklumat lanjut tentang keadaan penyimpanan: Pastikan bekas tertutup rapat dan kering; simpan di tempat yang dingin.

Bungkusan produk tidak akan rosak akibat suhu rendah atau fros. Produk pukal mestilah dilindungi daripada pemejalan.

Lindungi daripada suhu melebihi : 70 °C

Cirri produk berubah secara tidak berbalik jika melebihi had suhu.

8. Kawalan pendedahan dan perlindungan diri

Komponen dengan parameter kawalan tempat kerja

Tiada had pendedahan pekerjaan tertentu yang diketahui.

Peralatan perlindungan peribadi

Perlindungan pernafasan:

Perlindungan pernafasan jika berlaku pelepasan wap/aerosol. Penapis zarah jenis kecekapan sederhana untuk zarah pepejal dan cecair (misalnya EN 143 atau 149, Jenis P2 atau FFP2)

Perlindungan tangan:

Sarung tangan keselamatan kalis bahan kimia.

Bahan yang sesuai juga sekiranya terkena produk secara berpanjangan dan langsung. (Syor: Indeks perlindungan 6, bersamaan > 480 minit tempoh penelapan menurut EN ISO 374-1):

getah nitril (NBR) - 0.4 mm ketebalan salutan

Nota tambahan : Spesifikasi adalah berdasarkan ujian –ujian, data penerbitan dan maklumat dari pengeluar sarung tangan atau diambil yang serupa secara analogi. Oleh sebab banyak keadaan yang perlu dipertimbangkan (misalnya suhu), perlulah diambil kira, bahawa secara praktikalnya tempoh penggunaan sarung tangan pelindung kimia mungkin lebih pendek daripada tempoh penelapan yang ditentukan menurut ujian.

Arahan penggunaan pengilang hendaklah dipatuhi kerana jenisnya yang pelbagai.

Perlindungan mata:

Gogal keselamatan yang betul-betul muat (cth gogal tertutup) (EN 166) dan pelindung muka

Perlindungan badan:

Perlindungan badan mesti dipilih bergantung kepada aktiviti dan pendedahan, contohnya apron, kasut perlindungan, pakaian perlindungan bahan kimia (Berdasarkan DIN-EN 465)

Langkah kebersihan dan keselamatan am:

Disyorkan memakai pakaian kerja yang tertutup. Jangan makan, minum, merokok atau menggunakan tembakau di tempat kerja. Kendalikan mengikut amalan kesihatan dan keselamatan industri yang baik.

9. Sifat Fizikal dan Kimia

Bentuk: cecair
Warna: tidak berwarna hingga kekuningan
Bau: khusus

nilai pH: dianggarkan 7 (DIN EN 1262)
(50 g/l, 23 °C)

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| | | |
|---|--|------------------|
| takat lebur: | < 0 °C | (lain) |
| takat didih: | > 200 °C (1,013 hPa) | |
| Takat kilat: | 176 °C | (DIN 51758) |
| Tahap penyejatan: | Nilai boleh dianggarkan berdasarkan Pemalar Hukum Henry atau tekanan wap. | |
| Kemudahbakaran (pepejal/gas): | tidak mencucuh | |
| Had letupan bawah: | Untuk cecair tiada kaitan untuk pengelasan dan pelabelan., Had letupan bawah mungkin 5 - 15 °C dibawah takat kilat. | |
| Had letupan atas: | Untuk cecair tiada kaitan untuk pengelasan dan pelabelan. | |
| Suhu pencucuhan: | > 250 °C | (DIN 51794) |
| Penguraian terma: | > 150 °C | (kaedah dalaman) |
| pencucuhan sendiri: | Tidak swacucuh. | |
| Kebolehan swapemanasan sendiri: | Bahan ini tidak menjadi panas secara spontan menurut peraturan pengangkutan UN kelas 4.2. | |
| Bahaya letupan: | tidak mudah meletup | |
| Sifat yang menggalakkan kebakaran: | tidak merebakkan api | |
| Tekanan Wap: | < 0.1 hPa (20 °C) | (kaedah dalaman) |
| Kepekatan: | dianggarkan 1 g/cm ³ (20 °C) | (DIN 51757) |
| ketumpatan relatif: | Tiada data diperolehi. | |
| Ketumpatan wap relatif (udara): | tidak ditentukan | |
| Keterlarutan dalam air: | terlarut (15 °C) | |
| Higroskopi: | Tidak higroskopik | |
| Keterlarutan (kualitatif) pelarut: | alkohol terlarut | |
| Pekali petakan n-oktanol/air (log Pow): | Kajian secara teknikalnya tidak boleh dijalankan. | |
| Tegangan permukaan: | 48 mN/m (20 °C; 1 g/l) | (DIN EN 14370) |
| | 37.5 mN/m (20 °C; 5 g/l) | (DIN EN 14370) |

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Kelikatan, dinamik:

Kelikatan, kinematik: tidak ditentukan
dianggarkan 20 mm²/s (kaedah dalaman)
(23 °C)

Maklumat lain:

Jika perlu, maklumat tentang parameter fizikal and kimia ada dinyatakan didalam bahagian ini.

10. Kestabilan dan Kereaktifan

Keadaan yang perlu dielakkan:

Lihat MSDS bahagian 7 - Pengendalian dan Penyimpanan.

Penguraian terma: > 150 °C (kaedah dalaman)

Bahan yang perlu dielakkan:

kaustik, halogen, beralkali, asid, bahan kimia reaktif

Kakisan kepada Kesan mengakis pada logam tidak dijangka.
logam:

Tindak balas berbahaya:

Tiada tindakbalas berbahaya jika disimpan dan dikendalikan seperti yang dinyatakan.

Bahan penguraian berbahaya:

Tiada produk penguraian yang berbahaya jika disimpan dan dikendalikan seperti yang ditetapkan/dinyatakan.

Kereaktifan:

Tiada produk penguraian yang berbahaya jika disimpan dan dikendalikan seperti yang ditetapkan/dinyatakan.

Kestabilan kimia:

Produk adalah stabil jika disimpan dan dikendalikan sebagaimana

11. Maklumat Toksikologi

Ketoksikan akut

Data eksperimen/dikira:

LD50 tikus (melalui mulut): > 300 - 2,000 mg/kg (Garis panduan OECD 423)

LC50 tikus (melalui penyedutan):

tidak ditentukan

LD50 tikus (dermal): > 2,000 mg/kg (Garis panduan OECD 402)

Maklumat tentang : Hexan-1-ol, ethoxylated

Data eksperimen/dikira:

LD50 tikus (melalui mulut): > 300 - 2,000 mg/kg (Garis panduan OECD 423)

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Maklumat tentang : 2-(2-hexyloxyethoxy)ethanol

Data eksperimen/dikira:

LD50 arnab (dermal): 2,001 - 2,216 mg/kg

Kerengsaan

Data eksperimen/dikira:

Kakisan/Kerengsaan kulit arnab: tidak merengsa (lain)

Produk belum diuji. Penyataan diambil daripada ciri setiap komponen.

Kerosakkan/kerengsaan mata yang serius arnab: kerosakan tak berbalik (lain)

Produk belum diuji. Penyataan diambil daripada ciri setiap komponen.

Maklumat tentang : 2-(2-hexyloxyethoxy)ethanol

Data eksperimen/dikira:

Kakisan/Kerengsaan kulit arnab: tidak merengsa (Arahan 84/449/EEC, B.4)

Data penulisan.

Maklumat tentang : Hexan-1-ol, ethoxylated

Data eksperimen/dikira:

Kakisan/Kerengsaan kulit arnab: tidak merengsa (lain)

Maklumat tentang : 2-(2-hexyloxyethoxy)ethanol

Data eksperimen/dikira:

Kerosakkan/kerengsaan mata yang serius arnab: kerosakan tak berbalik (Garis panduan OECD 405)

Maklumat tentang : Hexan-1-ol, ethoxylated

Data eksperimen/dikira:

Kerosakkan/kerengsaan mata yang serius arnab: Merengsa (lain)

Pernyataan kerengsaan pada membran mukus diperoleh daripada produk yang mempunyai komposisi yang sama.

Pemekaan pernafasan/kulit

Penilaian pemekaan:

Tiada data diperoleh.

Kemutagenan sel germa

Penilaian kemutagenan:

Tidak dikelaskan disebabkan kekurangan data.

Kekarsinogenan

Penilaian kekarsinogenan:

Tidak dikelaskan disebabkan kekurangan data.

Ketoksikan pembiakan

Penilaian ketoksikan pembiakan:

Tidak dikelaskan disebabkan kekurangan data.

Ketoksikan perkembangan

Penilaian keteratogenan:

Tidak dikelaskan disebabkan kekurangan data.

Ketoksikan khusus organ sasaran (sekali pendedahan):

Catatan: Tiada data diperoleh.

Ketoksikan dos berulang dan Ketoksikan organ sasaran tertentu (ppededahan berulang)

Penilaian ketoksikan dos berulang:

Tidak dikelaskan disebabkan kekurangan data.

Bahaya penyedutan

Tiada bahaya penyedutan dijangka.

Maklumat lain yang berkaitan dengan ketoksikan

Produk belum diuji. Pernyataan tentang toksikologi diambil daripada produk yang mempunyai struktur dan komposisi yang sama.

12. Maklumat Ekologi

Keekotoksikan

Ketoksikan kepada ikan:

LC50 (96 h) > 100 mg/l, *Brachydanio rerio* (OECD 203; ISO 7346; 84/449/EEC, C.1)

Invertebrat air:

EC50 (48 h) > 100 mg/l, *Daphnia magna* (Garis panduan OECD 202, Bahagian 1)

Tumbuhan akuatik:

EC50 (72 h) > 100 mg/l, *Scenedesmus subspicatus* (Garis panduan 92/69/EEC, C.3)

EC10 (72 h) > 100 mg/l (kadar pertumbuhan), *Scenedesmus subspicatus* (Garis panduan 92/69/EEC, C.3)

Mikroorganisma/Kesan ke atas enap cemar diaktifkan:

EC50 > 1,000 mg/l

Perencatan aktiviti degradasi dalam enap cemar diaktifkan tidak dijangka jika memulakannya dengan betul pada kepekatan rendah.

Ketoksikan kronik kepada ikan:

Tiada data diperoleh.

Ketoksikan kronik kepada invertebrata akuatik:

Tiada data diperoleh.

Penilaian ketoksikan daratan:

Tiada data didapati berkenaan dengan ketoksikan daratan.

Mobiliti

Penilaian pengangkutan di antara bahagian di persekitaran:

Bahan tidak akan menyejat ke atmosfera daripada permukaan air

Penjerapan kepada fasa tanah pepejal mungkin berlaku.

Keterusan dan boleh keterdegradasikan

Penilaian biodegradasi dan penyingkiran (H₂O):

Mudah terbiodegradasikan

Maklumat penyingkiran:

> 60 % Pembentukan CO₂ relatif kepada nilai teori (28 hari) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) Mudah terbiodegradasikan

Parameter air buangan

Permintaan oksigen kimia (COD): (dikira) dianggarkan 2,140 mg/g

Potensi Biotumpukan

Penilaian potensi bioakumulasi:

Tidak dijangka terakumulasi dalam organisma.

Maklumat tambahan

Perhatian tambahan bagi nasib pada alam sekitar & laluan:

Rawatan didalam loji rawatan air sisa biologi mestilah dijalankan menurut peraturan dan pentadbiran setempat.

Nasihat ekotoksikologi lain:

Produk belum diuji. Penyataan tentang ekotoksikologi diambil daripada produk yang mempunyai struktur dan komposisi yang sama. Jangan biarkan memasuki tanah, jalan air atau saluran air sisa.

13. Maklumat Pelupusan

Mestilah dibuang atau dibakar mengikut peraturan tempatan.

Tiada pelupusan melalui sistem kumbahan atau air buangan.

Pembungkusan tercemar:

Bungkusan yang tidak tercemar boleh diguna semula.

Bungkusan yang tidak boleh dibersihkan hendaklah dilupuskan dengan cara yang sama dengan kandungannya.

14. Maklumat Pengangkutan

Pengangkutan domestik:

Tidak dikelaskan sebagai berbahaya di bawah peraturan

pengangkutan

Pengangkutan laut

IMDG

Tidak dikelaskan sebagai berbahaya di bawah peraturan pengangkutan

Pengangkutan udara

IATA/ICAO

Tidak dikelaskan sebagai berbahaya di bawah peraturan pengangkutan

Pengangkutan secara pukal menurut Lampiran II MARPOL dan IBC

| | |
|-------------------------------|---------------|
| Peraturan: | Tidak dinilai |
| Penghantaran yang diluluskan: | Tidak dinilai |
| Nama pencemaran: | Tidak dinilai |
| Kategori pencemaran: | Tidak dinilai |
| Jenis Kapal: | Tidak dinilai |

15. Maklumat Pengawalseliaan

Peraturan-Peraturan Keselamatan dan Kesihatan Pekerjaan (Pengelasan, Pelabelan dan Helaian Data Keselamatan Bahan kimia Berbahaya) 2013
Akta OSHA 1994 dan peraturan berkaitan
Akta Kualiti Alam Sekeliling 1974

Maklumat tentang peraturan-peraturan tidak meliputi kesemuanya. Peraturan-peraturan lain mungkin dikenakan kepada bahan ini.

Peraturan lain

Jika maklumat peraturan lain yang berkenaan tidak dinyatakan dibahagian lain didalam risalah data keselamatan ini, ianya akan dinyatakan bahagian ini.

16. Maklumat lain

Tarikh Penyediaan / Tarikh Penyemakan: 16.02.2024

Sumber Maklumat dan Rujukan :

SDS ini disediakan dengan menggunakan data dan maklumat tersimpan di dalam sistem berasaskan IT dalaman kami dan dibekalkan oleh pembekal perkhidmatan syarikat kami.

Singkatan Petunjuk:

ATE - Anggaran Ketoksikan Akut

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GHS - Sistem Terharmoni Global

IATA / ICAO - Persatuan Pengangkutan Udara Antarabangsa / Organisasi Penerbangan Awam Antarabangsa

IBC - Kontena Pukul Pertengahan

IMDG - Barangan Merbahaya Kelautan Antarabangsa

LC - Kepekatan Maut

LD - Dos Maut

OECD - Organisasi Untuk Kerjasama dan Pembangunan Ekonomi

OEL - Had Pendedahan Pekerjaan

OSHA - Akta Keselamatan dan Kesihatan Pekerjaan

STOT - Ketoksikan Organ Sasaran Khusus

Maklumat bagi penggunaan yang dirancang: Produk ini adalah berkualiti untuk industri dan sekiranya tidak dinyatakan atau dipersetujui harus digunakan semata-mata untuk kegunaan industri. Ini termasuk penggunaan yang dinyatakan dan disyorkan. Sebarang tujuan penggunaan lain hendaklah dibincangkan dengan pengeluar. Secara khususnya, ini berkaitan dengan penggunaan bagi produk yang menjadi objek piawai dan peraturan khas

Teks penuh pengelasan, simbol bahaya dan pernyataan bahaya, jika dinyatakan dalam seksyen 2 atau 3:

| | |
|--------------------|--------------------------------------|
| Bhn. Ltp. T. Stab. | Bahan letup tidak stabil |
| Bhn. Ltp. 1.1 | Bahan letup divisyen 1.1 |
| Bhn. Ltp. 1.2 | Bahan letup divisyen 1.2 |
| Bhn. Ltp. 1.3 | Bahan letup divisyen 1.3 |
| Bhn. Ltp. 1.4 | Bahan letup divisyen 1.4 |
| Bhn. Ltp. 1.5 | Bahan letup divisyen 1.5 |
| Bhn. Ltp. 1.6 | Bahan letup divisyen 1.6 |
| Gas M. Bkr 1 | Gas mudah terbakar kategori 1 |
| Gas M. Bkr 2 | Gas mudah terbakar kategori 2 |
| Aerosol M. Bkr1 | Aerosol mudah terbakar kategori 1 |
| Aerosol M. Bkr 2 | Aerosol mudah terbakar kategori 2 |
| Cec. M. Bkr 1 | Cecair mudah terbakar kategori 1 |
| Cec. M. Bkr 2 | Cecair mudah terbakar kategori 2 |
| Cec. M. Bkr 3 | Cecair mudah terbakar kategori 3 |
| Pep. M. Bkr 1 | Pepejal mudah terbakar kategori 1 |
| Pep. M. Bkr 2 | Pepejal mudah terbakar kategori 2 |
| Gas Oks. 1 | Gas mengoksida kategori 1 |
| Cec. Oks. 1 | Cecair mengoksida kategori 1 |
| Cec. Oks. 2 | Cecair mengoksida kategori 2 |
| Cec. Oks. 3 | Cecair mengoksida kategori 3 |
| Pep. Oks. 1 | Pepejal mengoksida kategori 1 |
| Pep. Oks. 2 | Pepejal mengoksida kategori 2 |
| Pep. Oks. 3 | Pepejal mengoksida kategori 3 |
| Gas Tkn. | Gas di bawah tekanan |
| Swareak. A | Bahan kimia swareaktif jenis A |
| Swareak. B | Bahan kimia swareaktif jenis B |
| Swareak. CD | Bahan kimia swareaktif jenis C dan D |
| Swareak. EF | Bahan kimia swareaktif jenis E dan F |
| Swareak. G | Bahan kimia swareaktif jenis G |
| Cec. Pir. 1 | Cecair piroforik kategori 1 |
| Pep. Pir. 1 | Pepejal piroforik kategori 1 |
| Swapanas. 1 | Bahan kimia swapanasan kategori 1 |

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| | |
|------------------|---|
| Swapanas. 2 | Bahan kimia swapanasan kategori 2 |
| Tdk. Bls. Air 1 | Bahan kimia yang, jika terkena air, membebaskan gas mudah terbakar kategori 1 |
| Tdk. Bls. Air 2 | Bahan kimia yang, jika terkena air, membebaskan gas mudah terbakar kategori 2 |
| Tdk. Bls. Air 3 | Bahan kimia yang, jika terkena air, membebaskan gas mudah terbakar kategori 3 |
| Peroks. Org. A | Peroksida organik jenis A |
| Peroks. Org. B | Peroksida organik jenis B |
| Peroks. Org. CD | Peroksida organik jenis C and D |
| Peroks. Org. EF | Peroksida organik jenis E and F |
| Peroks. Org. G | Peroksida organik jenis G |
| Kakis. Log. 1 | Mengakis logam kategori 1 |
| Toks. Akut 1 | Ketoksikan akut kategori 1 |
| Toks. Akut 2 | Ketoksikan akut kategori 2 |
| Toks. Akut 3 | Ketoksikan akut kategori 3 |
| Toks. Akut 4 | Ketoksikan akut kategori 4 |
| Kks. Kulit 1A | Kakisan atau kerengsaan kulit kategori 1A |
| Kks. Kulit 1B | Kakisan atau kerengsaan kulit kategori 1B |
| Kks. Kulit 1C | Kakisan atau kerengsaan kulit kategori 1C |
| Kreng. Kulit 2 | Kakisan atau kerengsaan kulit kategori 2 |
| Kros. Mata 1 | Kerosakan mata atau kerengsaan mata yang serius kategori 1 |
| Kreng. Mata 2 | Kerosakan mata atau kerengsaan mata yang serius kategori 2 |
| Pem. Naf. 1 | Pemekaan pernafasan kategori 1 |
| Pem. Kulit 1 | Pemekaan kulit kategori 1 |
| Muta. 1A | Kemutagenan sel germa kategori 1A |
| Muta. 1B | Kemutagenan sel germa kategori 1B |
| Muta. 2 | Kemutagenan sel germa kategori 2 |
| Kars. 1A | Kekarsinogenan kategori 1A |
| Kars. 1B | Kekarsinogenan kategori 1B |
| Kars. 2 | Kekarsinogenan kategori 2 |
| Pemb. 1A | Ketoksikan pembiakan kategori 1A |
| Pemb. 1B | Ketoksikan pembiakan kategori 1B |
| Pemb. 2 | Ketoksikan pembiakan kategori 2 |
| Laktasi | Kesan ke atas atau melalui penyusuan |
| STOT SE 1 | Ketoksikan organ sasaran khusus - pendedahan tunggal kategori 1 |
| STOT SE 2 | Ketoksikan organ sasaran khusus - pendedahan tunggal kategori 2 |
| STOT SE 3 | Ketoksikan organ sasaran khusus - pendedahan tunggal kategori 3 |
| STOT RE 1 | Ketoksikan organ sasaran khusus - pendedahan berulang kategori 1 |
| STOT RE 2 | Ketoksikan organ sasaran khusus - pendedahan berulang kategori 2 |
| Bhy. Asp. | Bahaya aspirasi kategori 1 |
| Akuatik Akut 1 | Berbahaya kepada persekitaran akuatik – bahaya akut kategori 1 |
| Akuatik Kronik 1 | Berbahaya kepada persekitaran akuatik – bahaya kronik kategori 1 |
| Akuatik Kronik 2 | Berbahaya kepada persekitaran akuatik – bahaya kronik kategori 2 |
| Akuatik Kronik 3 | Berbahaya kepada persekitaran akuatik – bahaya kronik kategori 3 |
| Akuatik Kronik 4 | Berbahaya kepada persekitaran akuatik – bahaya kronik kategori 4 |
| Ozon | Berbahaya bagi lapisan ozon kategori 1 |

Garis menegak pada margin sebelah kiri tangan menunjukkan pindaan dari versi sebelumnya.

Data yang terdapat dalam risalah data keselamatan ini adalah berdasarkan pengetahuan dan pengalaman kami, dan menerangkan tentang produk yang berkaitan dengan keperluan keselamatan sahaja. Data tidak menyatakan ciri produk (spesifikasi produk). Data dalam risalah data keselamatan ini juga tidak menyatakan apa-apa ciri khusus atau kesesuaian produk yang dipersetujui untuk apa-apa

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tujuan tertentu. Penerima produk bertanggungjawab untuk memastikan bahawa apa-apa hak pemilikan serta undang-undang dan perundangan sedia ada dipatuhi.

1. Identification of the chemical and of the supplier

Hydropalat® WE 3185 EL

Chemical name: Hexan-1-ol, ethoxylated

CAS Number: 31726-34-8

Use: wetting agent, additives for inks, varnishes or coatings, Levelling Agent

Company:

BASF (Malaysia) Sdn Bhd
Lot 19.02 Level 19, 1 Powerhouse
No 1 Persiaran Bandar Utama
47800 Petaling Jaya
Selangor D.E, MALAYSIA
Telephone: +60 3 7612 1888
Telefax number: +60 3 7612 1777

Emergency information:

National emergency number:

+603 7612 1999

International emergency number:

Telephone: +49 180 2273-112

2. Hazard identification

Classification of the substance and mixture:

Acute Tox. 4 (oral)

Eye Dam./Irrit. 1

For the classifications not written out in full in this section the full text can be found in section 16.

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

Hazard Statement:

H318

Causes serious eye damage.

H302

Harmful if swallowed.

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Precautionary Statements (Prevention):

P280 Wear eye and face protection.
P270 Do not eat, drink or smoke when using this product.
P264 Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or physician.
P330 Rinse mouth.

Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

No specific dangers known, if the regulations/notes for storage and handling are considered.
The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria. Product does not contain a substance above legal limits included in the list established in accordance with Article 59(1) of Regulation (EC) No 1907/2006 for having endocrine disrupting properties or is identified to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

3. Composition/information on ingredients

Chemical nature

Polymer based on:
Hexan-1-ol, ethoxylated
CAS Number: 31726-34-8

Hazardous ingredients

| | |
|-------------------------------------|--------------------------------------|
| 2-(2-hexyloxyethoxy)ethanol | |
| Content (W/W): $\geq 1\%$ - $< 7\%$ | Acute Tox. 4 (dermal) |
| CAS Number: 112-59-4 | Eye Dam./Irrit. 1 |
| | STOT SE 3 (drowsiness and dizziness) |

For the classifications not written out in full in this section the full text can be found in section 16.

4. First-Aid Measures

General advice:
Remove contaminated clothing.

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If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

On skin contact:

Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Note to physician:

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
water spray, dry powder, foam

Specific hazards:

harmful vapours, carbon oxides

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: Use personal protective clothing. Information regarding personal protective measures, see section 8. For emergency responders: Take appropriate protective measures.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:
For large amounts: Dike spillage. Pump off product.
For residues: Pick up with suitable absorbent material.
Dispose of absorbed material in accordance with regulations.

Additional information: High risk of slipping due to leakage/spillage of product.

7. Handling and Storage

Handling

No eating, drinking, smoking or tobacco use at the place of work. Wash hands before breaks and at end of work. Remove contaminated clothing and protective equipment before entering eating areas.

Protection against fire and explosion:
No special precautions necessary.

Storage

Suitable materials for containers: Stainless steel 1.4301 (V2), Stainless steel 1.4401, Stainless steel 1.4539, Stainless steel 1.4541, Stainless steel 1.4571, glass, High density polyethylene (HDPE), Low density polyethylene (LDPE), Carbon steel (Iron), tinned carbon steel (Tinplate)
Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

The packed product is not damaged by low temperatures or by frost. Bulk must be protected from solidification.

Protect from temperatures above: 70 °C

Properties of the product change irreversibly on exceeding the limit temperature.

8. Exposure controls and personal protection

Components with occupational exposure limits

No substance specific occupational exposure limits known.

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Chemical resistant protective gloves

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

nitrile rubber (NBR) - 0.4 mm coating thickness

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Tightly fitting safety goggles (cage goggles) (e.g. EN 166) and face shield.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Wearing of closed work clothing is recommended. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

| | | |
|----------------------------|--|-------------------|
| Form: | liquid | |
| Colour: | colourless to yellowish | |
| Odour: | product specific | |
| pH value: | approx. 7 (50 g/l, 23 °C) | (DIN EN 1262) |
| Melting point: | < 0 °C | (other) |
| Boiling point: | > 200 °C (1,013 hPa) | (internal test) |
| Flash point: | 176 °C | (DIN 51758) |
| Evaporation rate: | Value can be approximated from Henry's Law Constant or vapor pressure. | |
| Flammability (solid/gas): | not flammable | |
| Lower explosion limit: | For liquids not relevant for classification and labelling., The lower explosion point may be 5 - 15 °C below the flash point. | |
| Upper explosion limit: | For liquids not relevant for classification and labelling. | |
| Ignition temperature: | > 250 °C | (DIN 51794) |
| Thermal decomposition: | > 150 °C | (internal method) |
| Self ignition: | not self-igniting | |
| Self heating ability: | It is not a substance capable of spontaneous heating according to UN transport regulations class 4.2. | |
| Explosion hazard: | not explosive | |
| Fire promoting properties: | not fire-propagating | |

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| Vapour pressure: | < 0.1 hPa (20 °C) | (internal method) |
| Density: | approx. 1 g/cm ³ (20 °C) | (DIN 51757) |
| Relative density: | No data available. | |
| Relative vapour density (air): | not determined | |
| Solubility in water: | soluble (15 °C) | |
| Hygroscopy: | Non-hygroscopic | |
| Solubility (qualitative) solvent(s): | alcohols soluble | |
| Partitioning coefficient n-octanol/water (log Pow): | Study technically not feasible. | |
| Surface tension: | 48 mN/m (20 °C; 1 g/l) | (DIN EN 14370) |
| | 37.5 mN/m (20 °C; 5 g/l) | (DIN EN 14370) |
| Viscosity, dynamic: | not determined | |
| Viscosity, kinematic: | approx. 20 mm ² /s (23 °C) | (internal method) |

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity**Conditions to avoid:**

See SDS section 7 - Handling and storage.

Thermal decomposition: > 150 °C (internal method)

Substances to avoid:

caustics, halogens, Alkalines, acids, reactive chemicals

Corrosion to metals: Corrosive effects to metal are not anticipated.

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Experimental/calculated data:

LD50 rat (oral): > 300 - 2,000 mg/kg (OECD Guideline 423)

LC50 rat (by inhalation):

not determined

LD50 rat (dermal): > 2,000 mg/kg (OECD Guideline 402)

Information on: Hexan-1-ol, ethoxylated

Experimental/calculated data:

LD50 rat (oral): > 300 - 2,000 mg/kg (OECD Guideline 423)

Information on: 2-(2-hexyloxyethoxy)ethanol

Experimental/calculated data:

LD50 rabbit (dermal): 2,001 - 2,216 mg/kg (similar to OECD guideline 402)

Irritation

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant (other)

The product has not been tested. The statement has been derived from the properties of the individual components.

Serious eye damage/irritation rabbit: irreversible damage (other)

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: 2-(2-hexyloxyethoxy)ethanol

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant (Directive 84/449/EEC, B.4)

Literature data.

Information on: Hexan-1-ol, ethoxylated

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant (other)

Information on: 2-(2-hexyloxyethoxy)ethanol

Experimental/calculated data:

Serious eye damage/irritation rabbit: irreversible damage (OECD Guideline 405)

Information on: Hexan-1-ol, ethoxylated

Experimental/calculated data:

Serious eye damage/irritation rabbit: Irritant. (other)

The statement for irritation of the mucous membrane was derived from products of similar composition.

Respiratory/Skin sensitization

Assessment of sensitization:

No data available.

Germ cell mutagenicity

Assessment of mutagenicity:

Not classified, due to lack of data.

Carcinogenicity

Assessment of carcinogenicity:

Not classified, due to lack of data.

Reproductive toxicity

Assessment of reproduction toxicity:

Not classified, due to lack of data.

Developmental toxicity

Assessment of teratogenicity:

Not classified, due to lack of data.

Specific target organ toxicity (single exposure):

Remarks: No data available.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

Not classified, due to lack of data.

Aspiration hazard

No aspiration hazard expected.

Other relevant toxicity information

The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

12. Ecological Information

Ecotoxicity

Toxicity to fish:

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LC50 (96 h) > 100 mg/l, *Brachydanio rerio* (OECD 203; ISO 7346; 84/449/EWG, C.1)

Aquatic invertebrates:

EC50 (48 h) > 100 mg/l, *Daphnia magna* (OECD Guideline 202, part 1)

Aquatic plants:

EC50 (72 h) > 100 mg/l, *Scenedesmus subspicatus* (Guideline 92/69/EEC, C.3)

EC10 (72 h) > 100 mg/l (growth rate), *Scenedesmus subspicatus* (Guideline 92/69/EEC, C.3)

Microorganisms/Effect on activated sludge:

EC50 > 1,000 mg/l

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Chronic toxicity to fish:

No data available.

Chronic toxicity to aquatic invertebrates:

No data available.

Assessment of terrestrial toxicity:

No data available concerning terrestrial toxicity.

Mobility

Assessment transport between environmental compartments:

The substance will not evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is possible.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Readily biodegradable.

Elimination information:

> 60 % CO₂ formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) Readily biodegradable.

Sum parameter

Chemical oxygen demand (COD): (calculated) approx. 2,140 mg/g

Bioaccumulation potential

Assessment bioaccumulation potential:

Accumulation in organisms is not to be expected.

Additional information

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:

The product has not been tested. The statements on ecotoxicology have been derived from products of a similar structure and composition. Do not allow to enter soil, waterways or waste water channels.

13. Disposal Information

Must be disposed of or incinerated in accordance with local regulations.

No disposal via sewage or waste water systems.

Contaminated packaging:

Uncontaminated packaging can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transportation Information

Domestic transport:

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

Transport in bulk according to Annex II of MARPOL and the IBC Code

| | |
|---------------------|---------------|
| Regulation: | Not evaluated |
| Shipment approved: | Not evaluated |
| Pollution name: | Not evaluated |
| Pollution category: | Not evaluated |
| Ship Type: | Not evaluated |

15. Regulatory Information

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013

OSHA 1994 and relevant regulations

Environmental Quality Act, 1974

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

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Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

16. Other Information

Date of Preparation / Date of Revision: 16.02.2024

Information Source and References:

This SDS is prepared using data and information saved in our internal IT-based system and supplied by our company's service providers.

Key Abbreviations:

ATE - Acute Toxicity Estimates

GHS - Globally Harmonized System

IATA / ICAO - International Air Transport Association / International Civil Aviation Organization

IBC - Intermediate Bulk Container

IMDG - International Maritime Dangerous Goods

LC - Lethal Concentration

LD - Lethal Dose

OECD - Organisation for Economic Co-operation and Development

OEL - Occupational Exposure Limit

OSHA - Occupational Safety and Health Act

STOT - Specific Target Organ Toxicity

Information on intended use: This product is of industrial quality and unless otherwise specified or agreed intended exclusively for industrial use. This includes the mentioned and recommended usage. Any other intended applications should be discussed with the manufacturer. In particular this concerns the application for products that are the object of special standards and regulations.

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

| | |
|-----------------|-------------------------------|
| Unst. Expl. | Unstable explosives |
| Expl. 1.1 | Explosives division 1.1 |
| Expl. 1.2 | Explosives division 1.2 |
| Expl. 1.3 | Explosives division 1.3 |
| Expl. 1.4 | Explosives division 1.4 |
| Expl. 1.5 | Explosives division 1.5 |
| Expl. 1.6 | Explosives division 1.6 |
| Flam. Gas 1 | Flammable gases category 1 |
| Flam. Gas 2 | Flammable gases category 2 |
| Flam. Aerosol 1 | Flammable aerosols category 1 |
| Flam. Aerosol 2 | Flammable aerosols category 2 |
| Flam. Liq. 1 | Flammable liquids category 1 |
| Flam. Liq. 2 | Flammable liquids category 2 |
| Flam. Liq. 3 | Flammable liquids category 3 |
| Flam. Sol. 1 | Flammable solids category 1 |
| Flam. Sol. 2 | Flammable solids category 2 |
| Ox. Gas 1 | Oxidizing gases category 1 |
| Ox. Liq. 1 | Oxidizing liquids category 1 |
| Ox. Liq. 2 | Oxidizing liquids category 2 |
| Ox. Liq. 3 | Oxidizing liquids category 3 |

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| | |
|-----------------|---|
| Ox. Sol. 1 | Oxidizing solids category 1 |
| Ox. Sol. 2 | Oxidizing solids category 2 |
| Ox. Sol. 3 | Oxidizing solids category 3 |
| Press. Gas | Gases under pressure |
| Self-react. A | Self-reactive chemicals type A |
| Self-react. B | Self-reactive chemicals type B |
| Self-react. CD | Self-reactive chemicals type C and D |
| Self-react. EF | Self-reactive chemicals type E and F |
| Self-react. G | Self-reactive chemicals type G |
| Pyr. Liq. 1 | Pyrophoric liquids category 1 |
| Pyr. Sol. 1 | Pyrophoric solids category 1 |
| Self-heat. 1 | Self-heating chemicals category 1 |
| Self-heat. 2 | Self-heating chemicals category 2 |
| Water-react. 1 | Chemicals which, if in contact with water, emits flammable gases category 1 |
| Water-react. 2 | Chemicals which, if in contact with water, emits flammable gases category 2 |
| Water-react. 3 | Chemicals which, if in contact with water, emits flammable gases category 3 |
| Org. Perox. A | Organic peroxides type A |
| Org. Perox. B | Organic peroxides type B |
| Org. Perox. CD | Organic peroxides type C and D |
| Org. Perox. EF | Organic peroxides type E and F |
| Org. Perox. G | Organic peroxides type G |
| Met. Corr. 1 | Corrosive to metals category 1 |
| Acute Tox. 1 | Acute toxicity category 1 |
| Acute Tox. 2 | Acute toxicity category 2 |
| Acute Tox. 3 | Acute toxicity category 3 |
| Acute Tox. 4 | Acute toxicity category 4 |
| Skin Corr. 1A | Skin corrosion or irritation category 1A |
| Skin Corr. 1B | Skin corrosion or irritation category 1B |
| Skin Corr. 1C | Skin corrosion or irritation category 1C |
| Skin Irrit. 2 | Skin corrosion or irritation category 2 |
| Eye Dam. 1 | Serious eye damage or eye irritation category 1 |
| Eye Irrit. 2 | Serious eye damage or eye irritation category 2 |
| Resp. Sens. 1 | Respiratory sensitization category 1 |
| Skin Sens. 1 | Skin sensitization category 1 |
| Muta. 1A | Germ cell mutagenicity category 1A |
| Muta. 1B | Germ cell mutagenicity category 1B |
| Muta. 2 | Germ cell mutagenicity category 2 |
| Carc. 1A | Carcinogenicity category 1A |
| Carc. 1B | Carcinogenicity category 1B |
| Carc. 2 | Carcinogenicity category 2 |
| Repr. 1A | Reproductive toxicity category 1A |
| Repr. 1B | Reproductive toxicity category 1B |
| Repr. 2 | Reproductive toxicity category 2 |
| Lact. | Effect on or via lactation |
| STOT SE 1 | Specific target organ toxicity – single exposure category 1 |
| STOT SE 2 | Specific target organ toxicity – single exposure category 2 |
| STOT SE 3 | Specific target organ toxicity – single exposure category 3 |
| STOT RE 1 | Specific target organ toxicity – repeated exposure category 1 |
| STOT RE 2 | Specific target organ toxicity – repeated exposure category 2 |
| Asp. Haz. | Aspiration hazard category 1 |
| Aquatic Acute 1 | Hazardous to the aquatic environment – acute hazard category 1 |

BASF Helaian Data Keselamatan (BASF Safety data sheet)

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Produk (Product): **Hydropalat® WE 3185 EL**

(30692213/SDS_GEN_MY/MS)

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|-------------------|--|
| Aquatic Chronic 1 | Hazardous to the aquatic environment – chronic hazard category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – chronic hazard category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – chronic hazard category 3 |
| Aquatic Chronic 4 | Hazardous to the aquatic environment – chronic hazard category 4 |
| Ozone | Hazardous to the ozone layer category 1 |

Vertical lines in the left hand margin indicate an amendment from the previous version.

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