



SAFETY DATA SHEET
HELAIAN DATA KESELAMATAN
According to Regulation P.U. (A) 310/2013

Revision/ Preparation Date:
01/04/2020
Revision: 03

SECTION 1 : IDENTIFICATION OF THE HAZARDOUS CHEMICAL AND OF THE SUPPLIER
BAHAGIAN 1 : PENGENALAN BAHAN KIMIA BERBAHAYA DAN PEMBEKAL

1.1 Product Identifier

Pengenalpastian Produk

| | | | |
|---------------------|---------------------------|-------------------------------|----------------------|
| Product Name | Sanicare SD13 Plus | <i>Sanicare SD13 Tambahan</i> | <i>Nama Produk</i> |
| Product Form | Mixture | <i>Sebatian</i> | <i>Bentuk Produk</i> |
| Product Code | AHSCSD013P | <i>AHSCSD013P</i> | <i>Kod Produk</i> |

1.2 Recommended use of the Chemical and Restrictions on use

Penggunaan yang Disyorkan bagi Kimia dan Sekatan ke atas Penggunaan

Use description : Multi surface sanitizer
Penerangan penggunaan : Pembasmi kuman pelbagai permukaan

1.3 Details of Principal Supplier

Butiran Pembekal Utama

Name (Nama) : Averex Chemicals Sdn. Bhd / Averex Technology Sdn. Bhd
Address : No.13, Jalan Sepadu 25/123A,
Alamat Taman Perindustrian Axis (Prime Axis),
Seksyen 25,
40400 Shah Alam,
Selangor Darul Ehsan,
Malaysia.

Telephone No. : +603 – 55253467
No. Telefon
Fax No. : +603 – 55253419
No. Faks
Email address : enquiry@averex.com.my
Alamat Email

1.4 Emergency Phone No. +6012 – 288 0978
No. Telefon Kecemasan

SECTION 2 : HAZARD IDENTIFICATION
BAHAGIAN 2 : PENGENALAN BAHAYA

2.1 Classification of the Substance or Mixture

Pengelasan bahan atau campuran

Not classified as a hazardous chemical
Tidak diklasifikasikan sebagai bahan kimia berbahaya

Precautionary Statements

Pernyataan Langkah berjaga-jaga

| | |
|----------------|---|
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. <i>JIKA TERTELAN: Bilas mulut. JANGAN paksa mangsa muntah.</i> |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. <i>JIKA TERKENA MATA: Bilas berhati-hati dengan air selama beberapa minit. Tanggalkan kanta lekap, jika ada dan dapat dilakukan dengan mudah. Teruskan membilas.</i> |



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2.2 Label Elements

Unsur label

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AVEREX

SANICARE SD13 PLUS
Multi surface sanitizer
Product Code : AHSCSD013PXX

Use Instruction **Precautionary Statements:**
Pernyataan Langkah berjaga-jaga:
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
JIKA TERTELAN: Bilas mulut. JANGAN paksa mangsa muntah.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
JIKA TERKENA MATA: Bilas berhati-hati dengan air selama beberapa minit. Tanggalkan kanta lekap, jika ada dan dapat dilakukan dengan mudah. Teruskan membilas.

HYCARE **Nett Content:** **B.N:** **Exp. Date:**
 XXX **XXX** **XXX**

Refer Section1 (1.3)

2.3 Other hazards

Bahaya lain

Not classified as a hazardous chemical

Tidak diklasifikasikan sebagai bahan kimia berbahaya

SECTION 3 : COMPOSITION AND INFORMATION OF THE INGREDIENTS OF THE HAZARDOUS CHEMICAL
BAHAGIAN 3 : KOMPOSISI DAN MAKLUMAT MENGENAI RAMUAN BAHAN KIMIA BERBAHAYA

3.1 Mixture

Campuran

Not classified as a hazardous chemical

Tidak diklasifikasikan sebagai bahan kimia berbahaya

| Chemical Identity <i>Identiti Kimia</i> | CAS No. <i>No. CAS</i> |
|--|---------------------------|
| Benzalkonium chloride | 8001-54-5 |
| Didecyldimethylammonium chloride | 7173-51-5 |
| Water | 7732-18-5 |

SECTION 4 : FIRST-AID MEASURES
BAHAGIAN 4 : LANGKAH-LANGKAH PERTOLONGAN CEMAS

4.1 Description of necessary measures, subdivided according to the different routes of exposure

Penerangan ukuran yang perlu, dibahagikan lagi mengikut laluan yang berbeza daripada pendedahan

| | |
|---|--|
| If Swallowed <i>Jika tertelan</i> | Do not delay. Rinse mouth with plenty of water (only if the person is conscious). Get medical attention immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person. <i>Jangan berlengah lagi. Bilas mulut dengan air (hanya jika mangsa sedar). Dapatkan bantuan perubatan segera. Jangan paksa muntah. Jangan sekali-kali beri apa-apa melalui mulut kepada orang yang tidak sedar.</i> |
|---|--|

If in Eyes

Jika Terkena Mata

Rinse cautiously with water for several minutes (at least 15 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

Bilas berhati-hati dengan air selama beberapa minit (sekurang-kurangnya 15 minit). Tanggalkan kanta lekap, jika ada dan mudah untuk dilakukan. Teruskan membilas. Dapatkan bantuan perubatan.

4.2 Most important symptoms/ effects, acute and delayed

Gejala / kesan paling penting, akut dan lewat

- a. **Ingestion** : Irritating to mouth, throat and stomach.
Penghadaman : Merengsa ke mulut, tekak dan perut.
- b. **Eye contact** : No known significant effects or critical hazards.
Sentuhan mata : Tiada kesan penting atau bahaya kritikal yang diketahui.

4.3 Indication of immediate medical attention and special treatment needed

Petunjuk perhatian perubatan segera dan rawatan khas yang diperlukan

- **No specific treatment. Treat symptomatically. Call medical doctor or poison control centre immediately if large quantities have been ingested.**
Tiada rawatan khusus. Rawat secara gejala. Hubungi doktor perubatan atau pusat kawalan racun dengan serta-merta jika jumlah yang banyak telah ditelan.
- **No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.**
Tiada tindakan yang akan diambil melibatkan sebarang risiko peribadi atau tanpa latihan yang sesuai. Ia mungkin berbahaya kepada orang yang memberikan bantuan untuk memberi resusitasi mulut ke mulut.

SECTION 5 : FIRE-FIGHTING MEASURES

BAHAGIAN 5 : LANGKAH-LANGKAH PEMADAMAN KEBAKARAN

5.1 Suitable Extinguishing Media

Alat Pemadam yang sesuai

Extinguishing Media Use an extinguishing agent suitable for the surrounding fire.
Media Pemadaman Gunakan agen pemadam yang sesuai untuk kebakaran sekeliling.



5.2 Specific Hazard arising from the Chemical

Bahaya khusus yang timbul daripada Kimia

In a fire or if heated, a pressure increase will occur and the container may burst.
Dalam kebakaran atau jika dipanaskan, peningkatan tekanan akan berlaku dan kontena mungkin pecah

5.3 Special Protective Equipment and Precautions for Fire Fighters

Peralatan Pelindung Khas dan Langkah berjaga-jaga untuk pejuang Kebakaran

| | |
|---|--|
|  Breathing apparatus | <p>Special precautions for firefighters: <i>Langkah berjaga-jaga khas untuk anggota bomba:</i> Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. <i>Segera mengasingkan tempat kejadian dengan membuang semua orang dari kawasan kejadian sekiranya berlaku kebakaran. Tiada tindakan yang akan diambil melibatkan sebarang risiko peribadi atau tanpa latihan yang sesuai.</i></p> |
|  Full body Protective clothing | |



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Special protective equipment for fire-fighters:

Peralatan pelindung khas untuk pejuang api:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

Pejuang api harus memakai peralatan perlindungan yang sesuai dan alat pernafasan serba lengkap dengan potongan muka penuh yang beroperasi dalam mod tekanan positif.

SECTION 6 : ACCIDENTAL RELEASE MEASURE
BAHAGIAN 6 : LANGKAH-LANGKAH PELEPASAN TIDAK SENGAJA

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Langkah Berwaspada diri, Peralatan dan Kecemasan Perlindungan Prosedur

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Tiada tindakan yang akan diambil melibatkan sebarang risiko peribadi atau tanpa latihan yang sesuai. Mengosongkan kawasan sekitar. Pastikan kakitangan yang tidak perlu dan tidak dilindungi daripada memasuki. Jangan sentuh atau berjalan melalui bahan tumpah. Elakkan menghirup wap atau kabus. Menyediakan pengudaraan yang mencukupi. Pakailah respirator yang sesuai apabila pengudaraan tidak mencukupi. Pakai peralatan pelindung diri yang sesuai.

6.2 Environmental Precautions

Langkah-Langkah Menjaga Alam Sekitar

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Elakkan penyebaran bahan tumpah dan larian dan sentuhan dengan tanah, saluran air, longkang dan pembetung. Beritahu pihak berkuasa yang berkaitan jika produk tersebut telah menyebabkan pencemaran alam sekitar (pembetung, saluran air, tanah atau udara).

6.3 Method and Material for Containment and Cleaning

Kaedah dan bahan untuk pembendungan dan pembersihan

For containment
Untuk membendung

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor.

Hentikan kebocoran jika tanpa risiko. Gerakkan bekas dari kawasan tumpahan. Pendekatan pelepasan dari angin mendadak. Mencegah kemasukan ke pembetung, kursus air, ruang bawah tanah atau kawasan tertutup. Basuh tumpahan ke dalam loji rawatan efluen atau meneruskan seperti berikut. Mengandungi dan mengumpul tumpahan dengan bahan penyerap yang tidak mudah terbakar misalnya. pasir, bumi, vermiculite atau bumi diatom dan tempat di dalam bekas untuk pelupusan mengikut peraturan tempatan (lihat bahagian 13). Buang melalui kontraktor pelupusan sisa berlesen.

Methods for cleaning up
Kaedah membersihkan

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Hentikan kebocoran jika tanpa risiko. Gerakkan bekas dari kawasan tumpahan. Cairkan dengan air dan mop jika larut air. Secara alternatif, atau jika tidak larut air, diserap dengan bahan kering lengai dan letakkan dalam bekas pelupusan sisa yang sesuai. Buang melalui kontraktor pelupusan sisa berlesen.



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SECTION 7 : HANDLING AND STORAGE
BAHAGIAN 7 : PENGENDALIAN DAN PENYIMPANAN

7.1 Precautions for Safe Handling

Langkah berjaga-jaga Selamat Pengendalian

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container.

Makan, minum dan merokok hendaklah dilarang di kawasan di mana bahan ini dikendalikan, disimpan dan diproses. Pekerja harus mencuci tangan dan muka sebelum makan, minum dan merokok. Tanggalkan pakaian dan peralatan perlindungan yang tercemar sebelum memasuki kawasan makan. Jangan makan. Teruskan dalam bekas asli atau alternatif yang diluluskan dibuat dari bahan yang serasi, disimpan rapat apabila tidak digunakan. Jangan gunakan semula bekas

7.2 Conditions for Safe Storage, including any incompatibilities

Keadaan untuk penyimpanan selamat, termasuk apa-apa ketakserasian

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Simpan mengikut peraturan tempatan. Simpan di dalam bekas asli yang dilindungi dari cahaya matahari langsung di kawasan kering, sejuk dan berventilasi baik, makanan dan minuman. Pastikan bekas ditutup rapat dan dimeteraikan sehingga siap digunakan. Bekas yang telah dibuka mestilah disusun dengan teliti dan terus tegak untuk mengelakkan kebocoran. Jangan simpan di dalam bekas tidak dilabel. Gunakan pembendungan yang sesuai untuk mengelakkan pencemaran alam sekitar

SECTION 8 : EXPOSURE CONTROLS AND PERSONAL PROTECTION
BAHAGIAN 8 : KAWALAN PENDEDAHAN DAN PERLINDUNGAN DIRI

8.1 Control Parameters

Parameter Kawalan

No exposure limits noted for ingredient(s)

Tidak ada had pendedahan terkenal dengan ramuan

8.2 Appropriate Engineering Controls

Kawalan Kejuruteraan sesuai

- **No special ventilation requirements.**
Tiada keperluan pengudaraan khas.
- **Emergency eye wash station and safety showers should be available in the immediate vicinity of any potential exposure.**
Stesen pencuci mata kecemasan dan pancuran air keselamatan perlu disediakan di kawasan yang berhampiran dengan sebarang pendedahan yang berpotensi.

8.3 Individual Protection Measures

Langkah-langkah Perlindungan Individu

| Individual Protection | Function |
|--|--|
| Hygiene measures <i>Langkah kebersihan</i> | Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. <i>Basuh tangan, lengan dan wajah dengan teliti selepas mengendalikan produk kimia, sebelum makan, merokok dan menggunakan tandas dan pada akhir tempoh kerja. Teknik yang sesuai harus digunakan untuk menghilangkan pakaian yang berpotensi tercemar. Basuh pakaian yang tercemar sebelum menggunakan semula.</i> |



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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES
BAHAGIAN 9 : SIFAT FIZIKAL DAN KIMIA

9.1 Information on basic physical and chemical properties

Maklumat tentang asas ciri fizik dan kimia

| | | | | | |
|----|--|---|----|--|---|
| a) | Appearance (Physical state, colour) <i>Rupa (Keadaan fizikal, warna)</i> | Clear colourless mobile liquid <i>Cecair jernih mudah alih tidak berwarna</i> | k) | Vapour Pressure <i>Tekanan Wap</i> | Not applicable <i>Tidak berkenaan</i> |
| b) | Odour <i>Bau</i> | Mild <i>Lembut</i> | l) | Vapour Density <i>Ketumpatan Wap</i> | Not applicable <i>Tidak berkenaan</i> |
| c) | Odour Threshold | Not applicable | m) | Solubility(ies) in water (g/L) <i>Kebolehlarutan dalam air (g/L)</i> | Soluble <i>Larut</i> |
| d) | Neat pH-value, pH meter | 4.5 – 6.5 | n) | Partition Coefficient (n-octanol/water) | Not applicable <i>Tidak berkenaan</i> |
| e) | Melting Point/ Freezing Point(°C) <i>Takat Lebur/ Takat beku (°C)</i> | Not applicable <i>Tidak berkenaan</i> | o) | Autoignition Temperature <i>Suhu Pengautocucuhan</i> | Not applicable <i>Tidak berkenaan</i> |
| f) | Initial Boiling Point and Boiling Range <i>Takat Didih Awal dan Had</i> | Not applicable <i>Tidak berkenaan</i> | p) | Decomposition Temperatur <i>Suhu Penguraian</i> | Not applicable <i>Tidak berkenaan</i> |
| g) | Flash Point (closed cup) <i>Takat Kilat (cawan tertutup)</i> | Not applicable <i>Tidak berkenaan</i> | q) | Viscosity <i>Kelikatan</i> | Not applicable <i>Tidak berkenaan</i> |
| h) | Evaporation Rate <i>Kadar Sejatan</i> | Not applicable <i>Tidak berkenaan</i> | r) | Percentage Volatile <i>% Bahan Mudah Meruap</i> | Not applicable <i>Tidak berkenaan</i> |
| i) | Flammable Limit (%) <i>Had Kemudahbakaran (%)</i> | Not applicable <i>Tidak berkenaan</i> | s) | T.S.C. of Polymer <i>T.S.C Polimer</i> | Not applicable <i>Tidak berkenaan</i> |
| j) | Specific Gravity, Hydrometer <i>Graviti Tentu</i> | 0.98 – 1.02 <i>0.98 – 1.02</i> | | | |

SECTION 10 : STABILITY AND REACTIVITY
BAHAGIAN 10 : KESTABILAN DAN KEREAKTIFAN

10.1 Reactivity

Kereaktifan

No additional information available

Tiada maklumat tambahan yang boleh didapati

10.2 Chemical Stability

Kestabilan kimia

Stable under normal conditions

Stabil pada keadaan biasa

10.3 Possibility of Hazardous Reactions

Kemungkinan Tindakbalas berbahaya

Under normal conditions of storage and use, hazardous reactions will not occur.

Dalam keadaan biasa penyimpanan dan penggunaan, tindak balas berbahaya tidak akan berlaku

10.4 Condition to Avoid

Keadaan yang perlu dielak

Direct sunlight, extremely high or low temperatures.

Cahaya matahari langsung, Amat tinggi atau suhu rendah.



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10.5 Incompatible Materials

Bahan tidak serasi

No additional information available

Tiada maklumat tambahan yang boleh didapati

10.6 Hazardous Decomposition Products

Hasil penguraian berbahaya

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Di bawah keadaan biasa penyimpanan dan penggunaan, produk penguraian berbahaya tidak boleh dihasilkan.

SECTION 11 : TOXICOLOGICAL INFORMATION

BAHAGIAN 11 : MAKLUMAT TOKSIKOLOGI

11.1 Information on the Likely Routes of Exposure

Maklumat mengenai Cara-Cara Pendedahan yang Dijangka

Ingestion : Irritating to mouth, throat and stomach.

Penghadaman: Merengsa kepada mulut, tekak dan perut.

Eye contact : No known significant effects or critical hazards.

Sentuhan mata: Tiada kesan penting atau bahaya kritikal yang diketahui.

11.2 Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Gejala berkaitan dengan fizikal, kimia dan Ciri-ciri toksikologi

Ingestion : No specific data

Penghadaman : Tiada data tertentu

Eye contact : Adverse symptoms may include the following: pain or irritation, watering, redness

Sentuhan mata: Gejala buruk mungkin termasuk berikut: sakit atau kerengsaan, air, kemerahan

11.3 Delayed and Immediate Effects and also Chronic effects from Short and Long Term Exposure

Kelewatan dan Kesan serta-merta dan juga kesan kronik daripada ringkas dan Pendedahan Jangka Panjang

| | |
|---|---|
| Inhalation <i>Penyedutan</i> | No known significant effects or critical hazards. <i>Tiada kesan penting atau bahaya kritikal yang diketahui.</i> |
| Ingestion <i>Penghadaman</i> | No known significant effects or critical hazards. <i>Tiada kesan penting atau bahaya kritikal yang diketahui.</i> |
| Skin contact <i>Sentuhan kulit</i> | No known significant effects or critical hazards. <i>Tiada kesan penting atau bahaya kritikal yang diketahui.</i> |
| Eye contact <i>Sentuhan mata</i> | No known significant effects or critical hazards. <i>Tiada kesan penting atau bahaya kritikal yang diketahui.</i> |
| Carcinogenicity <i>Karsinogenisiti</i> | No known significant effects or critical hazards. <i>Tiada kesan penting atau bahaya kritikal yang diketahui.</i> |
| Mutagenicity <i>Mutagenisiti</i> | No known significant effects or critical hazards. <i>Tiada kesan penting atau bahaya kritikal yang diketahui.</i> |
| Teratogenicity <i>Teratogenicity</i> | No known significant effects or critical hazards. <i>Tiada kesan penting atau bahaya kritikal yang diketahui.</i> |
| Developmental effects <i>Kesan perkembangan</i> | No known significant effects or critical hazards. <i>Tiada kesan penting atau bahaya kritikal yang diketahui.</i> |



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SECTION 12 : ECOLOGICAL INFORMATION
BAHAGIAN 12 : MAKLUMAT EKOLOGI

12.1 Ecotoxicity
Eko-toksikan

Aquatic Toxicity : Material is not classified as dangerous to aquatic organisms
Ketoksikan : Bahan ini tidak dikelaskan sebagai berbahaya kepada organisma akuatik

12.2 Persistence and Degradability
Kegigihan dan Perosotan

Biodegradability : Yes
Kebolehbiorosotan : Ya

12.3 Bioaccumulative Potential
Potensi bioakumulasi

Not applicable
Tidak berkaitan

12.4 Mobility in soil
Mobiliiti di dalam tanah

No additional information available
Tiada maklumat tambahan

12.5 Other adverse effects
Lain-lain kesan buruk

No additional information available
Tiada maklumat tambahan

SECTION 13 : DISPOSAL INFORMATION
BAHAGIAN 13 : MAKLUMAT PELUPUSAN

13.1 Description of Waste Residue
Penerangan Sisa Sisa

Waste is classified as non-hazardous waste. All waste must be disposed of in accordance with the Environmental Quality (Scheduled Waste) Regulations 2005 by authorized waste management company, unless you have written approval from the Department of Environment, disposal of chemicals by way of the sanitary sewer system is prohibited

Sisa diklasifikasikan sebagai sisa tidak berbahaya. Semua sampah hendaklah dilupuskan mengikut Peraturan-Peraturan Kualiti Alam Sekeliling (Buangan Terjadual) 2005 yang diberi kuasa oleh syarikat pengurusan sisa, kecuali anda telah menulis kelulusan daripada Jabatan Alam Sekitar, pelupusan bahan kimia melalui sistem pembetung sanitari adalah dilarang.

13.2 Safe Handling
Pengendalian yang selamat

- **All waste containers must have tightly fitting caps and be kept closed at all times except when waste is actually being added. Do not overfill liquid containers. To minimize spillage, allow enough air space for expansion.**
Semua bekas sisa mesti mempunyai penutup yang dipakai ketat dan disimpan sentiasa tertutup sepanjang masa kecuali apabila sisa sebenarnya ditambah. Jangan terlampau isi bekas cecair. Untuk mengurangkan tumpahan, membenarkan ruang udara yang cukup untuk pengembangan.
- **All waste containers must be labeled as to their contents and approximate concentrations**
Semua bekas sampah perlu dilabelkan sebagai untuk kandungan mereka dan kepekatan anggaran



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13.3 Method of Disposal

Kaedah Pelupusan

- **Dispose in a safe manner in accordance with local/national regulations, Environmental Quality (Scheduled Waste) Regulations 2005, FIRST SCHEDULE, Department of Environment (DOE)**
Lupuskan dengan cara yang selamat mengikut peraturan-peraturan tempatan / kebangsaan, Kualiti Alam Sekeliling (Buangan Terjadual) 2005, JADUAL PERTAMA, Jabatan Alam Sekitar (JAS)
- **Ecology – waste materials : Avoid release to the environment**
Ekologi - bahan-bahan buangan: Elakkan daripada melepaskan ke persekitaran

SECTION 14 : TRANSPORTATION INFORMATION
BAHAGIAN 14 : MAKLUMAT PENGANGKUTAN

14.1 UN number

Number UN

| | |
|---------------------------------|---------------------|
| Overland Transport (ADR) | Not dangerous goods |
| Rail Transport (RID) | Not dangerous goods |
| Sea Transport (IMDG) | Not dangerous goods |
| Inland Waterway Transport (AND) | Not dangerous goods |
| Air transport IATA | Not dangerous goods |

14.2 UN proper shipping name

Nama penghantaran UN yang betul

| | |
|---------------------------------|---------------------|
| Overland Transport (ADR) | Not dangerous goods |
| Rail Transport (RID) | Not dangerous goods |
| Sea Transport (IMDG) | Not dangerous goods |
| Inland Waterway Transport (AND) | Not dangerous goods |
| Air transport IATA | Not dangerous goods |

14.3 Transport hazard class(es)

Pengangkutan Kelas bahaya

| | |
|---------------------------------|---------------------|
| Overland Transport (ADR) | Not dangerous goods |
| Rail Transport (RID) | Not dangerous goods |
| Sea Transport (IMDG) | Not dangerous goods |
| Inland Waterway Transport (AND) | Not dangerous goods |
| Air transport IATA | Not dangerous goods |

14.4 Packing group, if applicable

Pembungkusan, jika berkenaan

| | |
|---------------------------------|---------------------|
| Overland Transport (ADR) | Not dangerous goods |
| Rail Transport (RID) | Not dangerous goods |
| Sea Transport (IMDG) | Not dangerous goods |
| Inland Waterway Transport (AND) | Not dangerous goods |
| Air transport IATA | Not dangerous goods |

14.5 Environmental hazards

Bahaya Alam Sekitar

In accordance with *Dangerous Goods list (Part 3) IMDG (International Maritime Dangerous Goods Code) volume 2:*
Marine pollutant: No



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14.6 Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code

Pengangkutan dalam pukal menurut Lampiran II MARPOL 73/78 dan Kod IBC

| IBC | | Portable tanks and bulk containers | | |
|--------------|------------|------------------------------------|----------------------|------------|
| Instructions | Provisions | IMO tank instructions | UN tank instructions | Provisions |
| - | - | - | - | - |

14.7 Special precautions which need to aware/ need to comply with, in connection either within/outside their premises

Langkah berjaga-jaga khas yang perlu sedar / perlu mematuhi, berkaitan sama ada di dalam / di luar premis mereka

Read safety instructions, SDS and emergency procedures before handling.

Baca arahan-arahan keselamatan, SDS dan prosedur kecemasan sebelum mengendalikan.

SECTION 15 : REGULATORY INFORMATION
BAHAGIAN 15 : MAKLUMAT PENGAWALANSELIAAN

15.1 Safety, Health and Environmental Regulations

Keselamatan, Kesihatan dan Alam Sekitar Peraturan

- **OCCUPATIONAL SAFETY AND HEALTH ACT 1994, Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013 [P.U.(A)310/2013]**
 4. (1) A principal supplier shall classify a chemical as hazardous chemical in accordance with the list of classified chemicals specified in Part 1 of the Industry Code of Practice.
(2) If the chemical to be classified is not listed as a classified chemical in Part 1 of the Industry Code of Practice, the classification of the chemical as a hazardous chemical shall be in accordance with physical, health and environmental hazard of the chemical as specified in Part 2 of the Industry Code of Practice
 13. (3) The information referred to in subregulation (2) shall be –
 - (a) in accordance with the minimum requirement of a Safety Data Sheet as specified in Part 3 of the Industry Code of Practice
 - (b) in the national language and English language
 - (4) A supplier shall revise a Safety Data Sheet referred to in subregulation (1) if-
 - (a) New information on particular hazardous chemical becomes available
 - (b) more than five years have elapsed since the last date of preparation or revision of the Safety Data Sheet; or
 - (c) so directed by an officer
- **Occupational Safety & Health (Use and Standard of Exposure of Chemical Hazardous to Health) Regulation 2000 USECHH 2000 [P.U.(A)131/2000]**
 24. Chemical Safety Data Sheet
An employer who receives a supply of chemicals hazardous to health for which the chemicals are not labelled or the Chemical Safety Data Sheets have not been provided, shall obtain the relevant information from the supplier and shall not use the chemicals until such information is obtained.
 25. Provision of Chemical Safety Data Sheet in a place of work
In any place of work where a chemical hazardous to health is used, the current Chemical Safety Data Sheet for that chemical or a copy thereof shall be kept in a conspicuous place close to each location where that chemical is used, and shall be easily accessible to the employees.
- **The Environmental Quality Act 1974 (Act 127) Regulations**
 - Environmental Quality (Industrial Effluent) Regulations 2009
 - Section 25. Restrictions on pollution of inland waters
 - Section 29. Prohibition of discharge of waste into Malaysia waters
- **Environmental Quality (Scheduled Waste) Regulations 2005**
 4. Disposal of Scheduled Wastes
 - (1) Scheduled wastes shall be disposed of at prescribed premises only
 - (2) Scheduled wastes shall as far as is practicable, be rendered innocuous prior to disposal



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SECTION 16 : OTHER INFORMATION
BAHAGIAN 16 : MAKLUMAT LAIN

16.1 Date of Preparation & Revision of the SDS

Tarikh penyediaan & penyemakan SDS

01/04/2020

REV03

16.2 Literature References and Sources for Data Used to Compile the SDS

Sastera Rujukan dan Sumber Data Digunakan untuk Mengumpul SDS

- i. Guidelines on the Control of Chemicals Hazardous to Health, 2001
- ii. Guidelines on Storage of Hazardous Chemicals: A guide for Safe Warehousing of Packaged Hazardous Chemicals, 2005
- iii. Guidelines on the use of Personal Protective Equipment against Chemicals Hazards, 2005.
- iv. Industry Code of Practice on Chemical Classification & Hazard Communication 2014 (ICOP)
- v. Dangerous Goods list & limited quantities exceptions (Part 3) IMDG (*International Maritime Dangerous Goods Code*) , Volume 2, 2018 edition
- vi. UN Recommendations on the Transport of Dangerous Goods, Rev. 19, 2015
- vii. Globally Harmonized System of Classification & Labelling of Chemicals, Rev.8, 2019

16.3 Key/Legend to the Abbreviations and Acronyms used in the SDS

Utama / Legend kepada Singkatan dan Akronim digunakan dalam SDS

| Abbreviation | Meaning |
|--------------|---|
| N.O.S | Not otherwise specified |
| RTU | Ready to use |
| TWA | Time-Weighted Average |
| ADR | The international carriage of Dangerous Goods by road |
| IMDG | International Maritime Code for Dangerous Goods |
| DOT | US department of transportation |
| IATA | International Air Transport Association |
| ACGIH | American Conference of Government Industrial Hygienists |
| CAS | Chemical Abstracts Service |

16.4 Other Information

Lain-lain maklumat

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet (SDS) is to describe the products in terms of their safety requirement. The data does not signify any warranty with regard to the products properties. It is the users responsibility to determine the suitability of this information for adoption of necessary safety precautions. We reserve the right to revise the SDS periodically as new information becomes available.

Maklumat yang dinyatakan berdasarkan pengalaman dan pengetahuan yang terkini. Tujuan Helaihan Data Keselamatan ini adalah untuk menerangkan tentang produk dari segi keperluan keselamatannya. Data tidak menunjukkan apa-apa jaminan berhubung dengan sifat-sifat produk. Ini adalah tanggungjawab pengguna untuk menentukan kesesuaian penggunaan bahan kimia tersebut. Kami berhak mengubah data di dalam Helaihan Data Keselamatan ini apabila terdapat maklumat dan pengetahuan terbaru.