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P-615 45B MP SOLVENT	Effective Date: 27.2.2020

1 Identification of the Product and the company

Chemical Name : 45B MP slovent
Type of product chemical family : N/A
Producer : TLC-KOYA CHEMICALS MANUFACTURING SDN BHD
No.22 & 23, Jalan Maju 1,
Cemerlang Industrial Estate,
81800 Ulu Tiram, Johor, Malaysia.
Tel: 607-8675798 Fax: 607-8675799
Website: www.koyachemicals.com Email: admin@koyachemicals.com

Emergency phone nr : See producer
UN NUMBER : UN 1263 / IMO 3

2 Hazard Identification



SIGNAL WORD: WARNING / AMARAN

Flammable liquids	Category 3
Skin irritation	Category 2
Eye irritation	Category 2
Reproductive toxicity	Category 2
Specific Target organ Toxicity - single exposure Narcotic effects	Category 3
Specific Target organ Toxicity - repeated exposure	Category 2

HAZARD STATEMENT / PENYATAAN HAZARD

H226: Flammable liquid and vapour	Cecair dan wap mudah bakar
H315: Causes skin irritation	Menyebabkan kerengsaan kulit
H319: Causes serious eye irritation	
Menyebabkan kerengsaan mata yang serius	
H336: May cause drowsiness and dizziness (narcotic effects)	
Boleh menyebabkan rasa mengantuk dan pening (kesan narkotik)	
H361: Suspected of damaging fertility or the unborn child.	
Disyaki merosakkan kesuburan atau anak yang belum lahir.	
H373: May cause damage to organs through prolonged or repeated exposure.	
Boleh menyebabkan kerosakan kepada organ melalui pendedahan berpanjangan atau berulang.	

Precautionary statement prevention

P201	Obtain special instructions before use. Dapatkan arahan khas sebelum digunakan.
P202	Do not handle until all safety precautions have been read and understood. Jangan mengendalikan sehingga semua langkah keselamatan telah dibaca dan difahami.
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking. Jauhkan daripada haba/percikan api,nyalaan terbuka,permukaan panas-dilarang merokok.
P233	Keep container tightly closed. Simpan bekas yang tertutup
P240	Ground/bond container and receiving equipment. Ikat bekas dan peralatan yang diterima.
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment. Menggunakan elektrikkalis letupan/pengalih udara/peralatan pencahayaan.

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- P242 Use only non-sparking tools.
Hanya menggunakan peralatan yang bukan percikan.
- P243 Take precautionary measures against static discharge.
Sila ambil langkah-langkah keselamatan terhadap pelepasan statik.
- P260 Do not breathe dust / fume / gas / mist / vapours / spray.
Jangan menghirup debu / asap / gas / kabus / wap / semburan.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
Elakkan menyedut habuk/asap/gas/kabus/wap/semburan.
- P264 Wash thoroughly after handling.
Basuh tangan bersih-bersih selepas mengendalikan bahan.
- P271 Use only outdoors or in a wellventilated area.
Digunakan hanya di luar rumah atau di kawasan yang mempunyai pengudaran.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
Memakai peralatan perlindungan seperti sarung tangan/pakaian pelindung/mata dan pelindung muka.
- P281 Use personal protective equipment as required.
Gunakan peralatan pelindung diri seperti yang diperlukan.

Precautionary statement response

- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
Hubungi PUSAT RACUN atau doktor / pakar perubatan jika anda rasa tidak sihat.
- P321 Specific treatment reference to supplemental first aid instruction.
Rujukan rawatan khusus untuk tambahan arahan pertolongan cemas.
- P314 Get medical advice / attention if you feel unwell.
Dapatkan nasihat perubatan / perhatian jika anda merasa tidak sihat.
- P362 Take off contaminated clothing and wash before reuse.
Tanggalkan pakaian yang tercemar dan basuh sebelum digunakan semula.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
JIKA KULIT: Basuh dengan sabun dan air.
- P303 + P361 + P353 IF ON SKIN (or hair):Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
JIKA TERKENA KULIT (atau rambut): Buang / mengambil dengan segera semua pakaian yang tercemar. Bilas kulit dengan air / mandi.
- P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
JIKA TERSEDUT: Pindahkan mangsa ke udara bersih dan biarkan berehat dalam kedudukan yang selesa untuk bernafas.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
JIKA DALAM MATA: Bilas dengan berhati-hati dengan air selama beberapa minit. Keluarkan kanta lekap, jika ada dan mudah dilakukan. Teruskan mencuci.
- P308 + P313 IF exposed or concerned : Get medical advice / attention.
JIKA terdedah atau bimbang: Dapatkan nasihat / perhatian perubatan.
- P332 + P313 If skin irritation occurs: Get medical advice/attention.
Jika berlaku kerengsaan kulit: Dapatkan nasihat / rawatan perubatan.
- P337 + P313 If eye irritation persists: Get medical advice / attention.
Jika kerengsaan mata berterusan: Dapatkan nasihat / perhatian perubatan.
- P370 + P378 In case of fire: Use Foam and dry chemical powder, carbon dioxide extinguisher for extinction.
Jika berlaku kebakaran: Gunakan busa dan serbuk kimia kering, karbon dioksida untuk pemadam kepupusan.

Precautionary statement storage

- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
Simpan di tempat yang mempunyai pengudaraan yang baik. Simpan bekas dengan ketat ditutup.
- P403 + P235 Store in a well-ventilated place. Keep cool.
Simpan di tempat yang mempunyai pengudaraan yang baik. Tetap tenang.

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P405 Store locked up
Simpan dalam keadaan berkunci

Precautionary statement disposal
P501 Dispose of contents/container in accordance with local/regional/national/international regulation
Menguruskan bahan / bekal menurut tempatan / kawasan / negara / antarabangsa peraturan

3 Composition / Information on Ingredients

Hazardous Ingredients : Methyl Benzene 65 - 80%
ACGIH TLV : TWA
ACGIH STEL : 150ppm
: Isopropanol 13 - 20%
ACGIH TLC : 100ppm
: 2-Butanone 7 - 10%
: 4 Methyl 2 Pentanone 7 - 10%
: Ethylene Glycol Monobuthyl Ether 4 - 8%

4 First Aid Measures

Eye Contact : Flush with cool running water, lifting the upper and lower eyelids occasionally until discomfort is relieved.

Skin Contact : Not expected to present a significant skin hazard under anticipated condition of normal use.

Ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

Inhalation : Treatment base on judgment of physician in response to reaction of patient.

5 Fire-Fighting Measures

Flash Point (Tag Closed Tester) : Below 30°C

Extinguishing Media : Foam and dry chemical powder, carbon dioxide, sand or earth may be used for small fire only.

Special Fire Fighting Produres : Self-contained breathing apparatus are recommended for fire fighters.

Unusual Fire and Explosion Hazards : None.

6 Accidental Release measures

Personal protection - Wear PVC-gloves and goggles to contain spillage.
Avoid repeated skin contact.

Environment precautions - Prevent the product contaminating soil and groundwater. Prevent the product enetring sewers and waterways.
Cfr.Section 12.

Cleaning / recovery - Large spillages : contain and pump into containers
- Small spillages : absorb on sand, earth...and collect into containers for disposal. Disposal should always comply with local, national or EEC regulations. Cfr.Section 13.

7 Handling and Storage

Handling : Good industrial and personal hygiene practice should be followed. No eating and drinking in the workplace. Ensure adequate ventilation.

Storage : Storage temperature : between +5 and +40°C.
Protect from frost and direct sunlight.

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Drums and bottles : material is plastic or steel.
Bulk tanks : stainless steel, plastic coated materials... Clean bulk tanks periodically to prevent accumulation of bacteria.

Specific use : Use the best available methods of handling our Products whereby the employees enjoy maximum safety and whereby the environment is minimally affected.

8 Exposure controls / personal protection

Exposure limit values : No danger in normal ambient conditions.
There are no specific limiting values for professional exposure.
There are no biological limiting values.
User should determine the conditions for safe use of the product. Cfr. Section 7 "Handling and Storage".

Exposure controls:

- Occupational exposure controls : Respiratory protection : not applicable
Hand protection : waterproof PVC-gloves (CE)
Eye protection : goggles or safety glasses (CE)
Skin protection : N/A
Avoid repeated skin contact.
- Environmental exposure controls : The product must not be discharge directly into drains or waterways without treatment.

9 Physical and chemical properties

Boiling Point (°F) : Below 30°C
Vapor Pressure (mm hg) : N/A
Vapor Density (Air=1) : >1
Cu corrosion : No Discoloration
Appearance : Clear liquid and chemical odor
Solubility in water : immiscible with and lighter than water.
Specific Gravity (H₂O=1) : 0.815
Percent Volatile by weight : 100
Evaporation Rate (Water=1) : 100

10 Stability and reactivity

Conditions to avoid : Stable under the recommended storage conditions. Cfr. Section 7 "Storage".
Bacterial degradation can occur if the Product is stored for an unusually long period or is stored under unsuitable conditions.
Keep away from spark, do not empty into drain.

Incompatibility (materials to avoid) : None known
Hazardous Polymerization : Nil
Materials to avoid : N/D
Hazardous decomposition products : N/D

11 Toxicological information

On product : Low toxicity is indicated by available data.
Under normal industrial conditions, there is no indication that the Product can be considered as a health risk.
Skin contact should be avoided to prevent possible long-term or short-term sensitisation.

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12 Ecological information

Ecotoxicity	: The Product is soluble with water and as such could cover considerable distances if spilled into waterways. Even a small spillage will whiten the appearance of water. Water for sewage treatment, that has been contaminated.
Mobility	: Not established.
Persistence and degradability	: There is only a slow environmental degradation of the Product.
Bioaccumulative potential	: There is seemingly no tendency for bioaccumulation.
Other adverse effects	: Unknown

13 Disposal Considerations

- The following advice only applies to the product as supplied
- Combination with other materials may well indicate another route of disposal. If in doubt, contact local TLC-KOYA CHEMICALS MANUFACTURING SDN BHD or local authorities.
- Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor.
- Care should in any case be taken to ensure compliance with national and local regulations.
- This product is not suitable for disposal by either landfill or via municipal sewers, drains, and natural streams, rivers or seas, they will effect the relationship between livings things, plants and their environment.

14 Transport information

IMO PROPER SHIPPING NAME	: NORMAL THINNER
IMO U.N. CLASS	: 3
IMO U.N. NUMBER	: UN 1263
IMO LABEL	: Flammable Liquid



15 Regulatory Information

Classification and labeling	: Classification /symbol - not regulated
Governing directive	: Occupational Safety and Health (Classification, Packaging and Labeling of Hazardous Chemicals) Regulations 1997
Safety advice	: (May contain information in excess of requirements under applicable laws.
	S23 Do not breathe gas/fumes/vapor/spray
	S24 Avoid contact with skin
	S33 Take precautionary measures against static discharges
	S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16 Other information

Further information	: None
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N/A - Not Applicable

N/D - Not Determined

All recommendations for the use of our products, whether given by us in writing, orally, or to be implied from data or test results obtained by us, are based on the current state of our knowledge at the time such recommendations are made. When additional information is obtained, these recommendations may be updated. They may also be influenced by circumstances outside our control. Notwithstanding such recommendations, the user is responsible to determine that the product as supplied by us, is suitable for the process or purpose he intends to use it. The user of the product is solely for compliance with all laws and regulation applying to the use of the product. Since we cannot control the application, use or processing of the products, we do not accept responsibility therefore. The user shall ensure that the intended use of the products will not infringe in any party's intellectual property rights.

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