



SAFETY DATA SHEET

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Revised edition no : 02

P-595 RUST PREVENTIVE

Effective Date:13.3.2018

1 Identification of the Product and the company

Chemical Name : Rust Preventive
Type of product chemical family : Anti-corrosion
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

2 Hazard Identification

Pictogram :



SIGNAL WORD: Warning

Flammable liquids
Skin Sensitization
Carcinogenicity
Aspiration hazard

Category 3
Category 1
Category 2
Category 2

HAZARD STATEMENT / PENYATAAN HAZARD

H226: *Flammable liquid and vapour*

H317: *May cause an allergic skin reaction*

H351: *Suspected of causing cancer*

H304: *May be harmful if swallowed and enter airways*

Cecair dan wap mudah bakar

Boleh menyebabkan reaksi kulit alergi

Disyaki menyebabkan kanser

Mungkin berbahaya jika ditelan dan masuk ke saluran pernafasan

Precautionary

statement prevention/pencegahan

- P201 *Obtain special instruction 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.
- 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.

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- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
Elakkan daripada bernafaskan debu / wasap / gas / kabut / wap / semburan.
- P272 Contaminated work clothing shall not be allowed out of the workplace
Pakaian kerja yang tercemar tidak dibenarkan keluar dari tempat kerja
- 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
- P301 + P310 *IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician*
JIKA TERLENGKAP: Segera hubungi PUSAT POISON atau doktor / doktor
- P302 + P352 *IF ON SKIN: Wash with plenty of soap and water*
JIKA PADA KULIT: Basuh dengan banyak sabun dan air
- P303 + P361 + P353 *IF ON SKIN (or hair): Remove/ take off immediately all contaminated clothing. Rinse skin with water/ shower.*
JIKA PADA KULIT (atau rambut): Buang / lepaskan semua pakaian yang tercemar. Bilas kulit dengan air / mandi.
- P308 + P-313 *IF exposed or concerned: Get medical advice/attention*
JIKA terdedah atau bimbang: Dapatkan nasihat / perhatian perubatan
- P321 *Specific treatment reference to supplemental first aid instruction*
Rujukan rawatan khusus untuk arahan pertolongan cemas tambahan
- P331 *Do NOT induce vomiting*
TIDAK menghidapi muntah
- P333 + P313 *If skin irritation or rash occurs: Get medical advice/attention*
Jika kerengsaan kulit atau ruam berlaku: Dapatkan nasihat / perhatian perubatan
- P363 *Wash contaminated clothing before reuse*
Basuh pakaian yang tercemar sebelum digunakan semula
- 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 + P235 Store in a well-ventilated place. Keep cool.
Simpan di tempat yang mempunyai pengudaraan yang baik. Tetap tenang.
- P405 Store locked up
Simpan terkunci

Precautionary statement disposal/pelupusan

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

3 Composition / Information on Ingredients

<u>Chemical Name</u>	<u>Weight %</u>
Naphtha, petroleum, hydrotreated light	70-90%
Rust Preventive Additive	5-10%
Other additive	5-10%

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4 First Aid Measures

Eye Contact	: Flush with cool running water, lifting the upper and lower eyelids occasionally until discomfort is relieved. Seek medical if necessary.
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 based on judgment of physician in response to reaction of patient.

5 Fire-Fighting Measures

Fire Hazard	- Product is water based and in wet form, its fire hazard is low. The dried product is combustible, decomposition products can be toxic.
Extinguishing media	- Water, powder, CO ₂ , sand...all extinguishing media are suitable. Protective clothing and self-contained breathing equipment should be available for firemen. - To prevent environmental damage, if possible collect water used to extinguish the fire in containers.

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 entering 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. 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.

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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 80
Vapor Pressure (mm hg) : N/A
Vapor Density (Air=1) : >1
PH of concentrate : 6 +/- 0.5
Appearance : Clear Liquid
Solubility in water : This product is soluble in raw aromatate solvent.
Specific Gravity (H₂O=1) : 0.87
Percent Volatile by weight : 10
Evaporation Rate (Water=1) : 10

10 Stabiity 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.
- 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. with small quantities of the Product, will not affect the biomass. High concentrations may be harmful to fish and micro organisms.
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

General information : This Product is not regulated for road/rail & sea transport.

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
Print date	: 13.3.2018

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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