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P-645 T BOND 80 BONDING AGENT	Revised edition no : 00
	Effective Date: 11.5.2023

1 Identification of the Product and the company

Chemical Name : P-645 T BOND 80 BONDING AGENT
Synonyms : VAE emulsion, EVA emulsion, VAE dispersion, EVA dispersion, Ethylene-vinyl acetate copolymer emulsion, Vinyl acetate-ethylene copolymer dispersion, Ethylene-vinyl acetate copolymer dispersion
Relevant identified uses of the substance or mixture and uses advised against :
Identified/Recommended uses : Adhesive
Sealant
Building and construction preparations
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 no : See producer

2 Hazards Identification

Classification of the substance or mixture
Skin Sens. 1 H317 May cause an allergic skin reaction.

Label elements

GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms



GHS07

Signal word Warning

Hazard-determining components of labelling:

3 (2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. With 2-methyl-3 (2H)-isothiazolone

Hazard statements

May cause an allergic skin reaction.

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Precautionary statements

Wear protective gloves/protective clothing/eye protection/face protection.

Contaminated work clothing should not be allowed out of the workplace.

If skin irritation or rash occurs: Get medical advice/attention.

IF ON SKIN: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition / Information on Ingredients

Chemical characterisation

: **Mixtures**

Description : Mixture

: consisting of the following components.

Dangerous Components:

55965-84-9	3(2H) - Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	≤0,0030%
108-05-4	vinyl acetate Flam. Liq.2, H225; Carc. 2, H351; Acute Tox. 4, H332; STOT SE 3, H335; Acute Tox. 5, H303; Aquatic chronic 3, H412	<0,5%

Non-Hazardous Component(s):

Substance Name:

CAS No:

%

Vinyl acetate-ethylene
copolymer

24937-78-8

10 - 30

4 First Aid Measures

Description of first aid measures

General information

: First aider needs to protect himself.

After inhalation

: Supply fresh air; consult doctor in case of complaints.

After skin contact

: Immediately wash with water and soap and rinse thoroughly.

After eye contact

: Rinse opened eye for 15 minutes under running water. If symptom persists consult a doctor.

After swallowing

: Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

Most important symptoms and effects, both acute and delayed

: No further relevant information available.

Indication of any immediate medical attention and special treatment needed

: Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

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5 Fire-Fighting Measures

Extinguishing media

Suitable extinguishing agents : This product is non-flammable under normal circumstances. Dried-up substance, however, is combustible. CO₂, powder, foam, water, or water spray can be used to extinguish fire. Water jet can also be used in scenario of non-liquid combustion.

For safety reasons unsuitable extinguishing agents : None

Special hazards arising from the substance or mixture : Combustion of dried-up substance will release carbon oxides (CO, CO₂).

Advice for firefighters : Use water spray to cool unopened containers.

Protective equipment : If necessary, wear fully protective suit and air respirator.

Additional information : Avoid contact with skin, eye, and clothing.
Do not inhale explosion gases or combustion gases.

6 Accidental Release measures

Personal precautions, protective equipment and emergency procedures : Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation

Environmental precautions : Do not allow to enter sewers/ Surface or ground water.

Methods and material for containment and cleaning up : Collect, bind, and pump of spills.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Allow to solidify. Pick up mechanically.

Reference to other sections : See Section 7 for information on safe handling.
See section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and Storage

Precautions for safe handling : Wear protective gloves/protective clothing/eye protection/face protection.
Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection : The product is not flammable.

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Storage:

Requirements to be met by storerooms and receptacles : Store in cool, dry place in tightly closed receptacles.

Further information about storage conditions : Store at 5°C to 40°C

8 Exposure controls / personal protection**Additional information about design of technical facilities :**

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines.

If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations.

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

Control parameters**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Exposure controls**Personal protective equipment:****General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Respiratory protection:

Not necessary if room is well-ventilated.

Use suitable respiratory protective device in case of insufficient ventilation.

Short term filter device:

Filter A/P2

Protection of hands:

Protective gloves

The selected protective gloves have to satisfy the specifications of standard EN 374 or its equivalent.

Replace gloves immediately when torn or any change in appearance (dimension, colour, flexibility etc) is noticed.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

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Material of gloves

Plastic gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Safety glasses with side shields conforming to EN166, ANSI 87.1-2010, or equivalent.

Body protection:

Protective work clothing

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9 Physical and chemical properties**Information on basic physical and chemical properties****General Information**

appearance	: flowable cream
Colour	: white
pH value	: 5-6 @24-26.5°C
Specific gravity	: 1.00@28.9°C
Viscosity	: 2000-3000 cst@25.5-26.5°C

10 Stability and reactivity

Reactivity	: When properly handled and stored, no dangerous reaction is known.
Chemical stability	: This product is stable under prescribed use and storage.
Thermal decomposition / conditions to be avoided	: No decomposition if used according to specifications.
Possibility of hazardous reactions	: No dangerous reactions known.
Conditions to avoid	: Protect from heat. Keep ignition sources away.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: carbon monoxide (CO) and carbon dioxide (CO ₂)

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11 Toxicological information

Information on toxicological effects

Acute toxicity	: Not classified based on available data.
Skin corrosion/irritation	: Not classified based on available data.
Serious eye damage/eye irritation	: Not classified based on available data.
Respiratory or skin sensitization	: May cause an allergic skin reaction. Contributing component: Biocide/fungicide (CAS No 55965-84-9)
Germ Cell Mutagenicity	: Not classified based on available data.
Carcinogenicity	: Not classified based on available data. This product contains an impurity, vinyl acetate (CAS No.108-05-4). IARC classified vinyl acetate as carcinogen Group 2B (Possibly carcinogenic to humans). The concentration of the impurity is below classifying threshold of 1,0%.
Reproductive Toxicity	: Not classified based on available data.
Specific Target Organ Toxicity - single Exposure (STOT SE)	: Not classified based on available data.
Specific Target Organ Toxicity - Repeated Exposure (STOT RE)	: Not classified based on available data.
Aspiration Hazard	: Not classified due to lack of data.
Primary irritant effect:	
on the skin	: No irritating effect.
on the eye	: No irritating effect.

12 Ecological information

Toxicity

Aquatic toxicity	: Not classified based on available data.
Persistence and degradability	: No further relevant information available.
Bioaccumulative potential	: No further relevant information available.
Mobility in soil	: No further relevant information available.
Additional ecological information:	
General notes	: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Other adverse effects	: No further relevant information available.

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13 Disposal Considerations

Waste treatment methods:**Recommendation**

After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

Any disposal method should also comply with national, regional, provincial, and local laws.

Uncleaned packaging:**Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Disposal must be made according to official regulations.

14 Transport information

UN-Number

ADR,AND,IMDG,IATA : None (Not Regulated)

UN proper shipping name

ADR,AND,IMDG,IATA : None (Not Regulated)

Transport hazard class (es)**ADR,AND,IMDG,IATA**

Class : None (Not Regulated)

Packing group

ADR,IMDG,IATA : None (Not Regulated)

Environmental hazards:

Marine pollutant : No

Special precautions for user : Not applicable

UN "Model Regulation" : -

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.

Wear protective gloves/protective clothing/eye protection/face protection.

Contaminated work clothing should not be allowed out of the workplace.

If skin irritation or rash occurs: Get medical advice/attention.

IF ON SKIN: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

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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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