Seng Fong Paints Pte Ltd

MATERIAL SAFETY DATA SHEET

Product Name	: Tiger Brand Thinner Xylene
Color / Name	: Clear

1. IDENTIFICATION OF THE PREPARATION AND COMPANY .

Intended Use	: See Technical Data Sheet
Name of Company	: Seng Fong Paints Pte Ltd
Address	: No 38, Kian Teck Road, Singapore 628788
Telephone	: + 65 62640100
Fax	: + 65 62640277

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Substances presenting a health hazard within the meaning of the Dangerous Substances Directive 67 / 548 / EEC.

Name	CAS-No.	Conc.Range	Symbol	R-Phrases
Xylene	1330-20-7	50 - 100%	Xn	R10, R20/21, R38
Ethylbenzene	100-41-4	10 - 25%	F, Xn	R11, R20,

See full text of phrases in section 16.

3. HAZARDS IDENTIFICATION OF THE PREPARATION

The substances is classified as dangerous according to Dierctive 67/548/EC and its amendments.
Flammable
Harmful by inhalation and skin contact
Irritating to skin.

4. FIRST AID MEASURES

General :
In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation :
Remove to fresh air, keep patient warm and at rest, if breathing is irregular of stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

Eye Contact :
Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

Skin contact :
Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

Ingestion :
If accidentally swallowed, obtain immediate medical attention. Keep at rest . Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Recommended	Alcohol resistant foam, CO2, Powders, Water spray
Not to be used	Waterjet
Recommendations	Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Avoid breathing vapors. Refer to protective measures listed in sections 7 and 8. Clean and collect spillage with non-combustible adsorbent

materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

7. HANDLING AND STORAGE

Handling — Vapors are heavier than air and may spread along floors. Vapor may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Additionally, the product should only be used in areas from which all naked lights and others sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

Preparation may charge electrostatically : Always use earthing leads when transferring from one container another. Operators should wear anti-static footwear, and floors should be of the conducting type.

Container Storage — Keep container tightly closed. Isolate from sources of heat, sparks and open flame.
No sparking tools should be used.
Always keep in containers of same material as the original one.
Never use pressure to empty : Container is not a pressure vessel.

Skin Contacted — Avoid skin and eye contact. Avoid inhalation of vapor and spray mist.

Application areas — Smoking, eating and drinking should be prohibited in application areas.

For personal protection see Section 8.
Comply with the health and safety at work laws.
When operators ,Whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapor in all cases. In such circumstances they should wear a compressed aired respirator during the spraying process until such time as the particulates and solvent vapor concentration has fallen below the exposure limits.

Storage

Store in accordance with local rules and legislation. Observe label precautions .
Store between 5 and 30 ºC in a dry, well ventilated place away from sources of heat and direct sunlight. Keep away from sources of ignition .Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. No smoking . Prevent unauthorized access. Containers

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures : Provide adequate ventilation. Where reasonably practicable this should be achieved by use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentration of particulates and solvent vapor below the OEL, suitable respiratory protection must be worn.

Ingredient	**Occupational Exposure Limits**
Xylene	EH40-WEL (United Kingdom (UK), 1/2005). Skin STEL: 441 mg/m3 15 minute/minutes. Form: All forms STEL: 100 ppm 15 minute/minutes. Form: All forms TWA: 220 mg/m3 8 hour/hours. Form: All forms TWA: 50 ppm 8 hour/hours. Form: All forms
Ethylbenzene	EH40-WEL (United Kingdom (UK), 1/2005). Skin STEL: 552 mg/m3 15 minute/minutes. Form: All forms STEL: 125 ppm 15 minute/minutes. Form: All forms TWA: 441 mg/m3 8 hour/hours. Form: All forms TWA: 100 ppm 8 hour/hours. Form: All forms

Personal Protection .

Product Name	:	Tiger Brand Thinner Xylene
Color / Name	:	Clear

Respiratory Protection : When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators.

Hand Protection: For prolonged or repeated contact, wear suitable gloves. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye Protection : Use safety eyewear designed to protect against splash of liquids.

Skin Protection: Personal should wear antistatic clothing made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Physical state :		
Flash point	:	27 ºC
Volume Solids	:	0%
Specific gravity at 30 ºC	:	0.87 g/cm^3
Vapor density	:	Heavier than air
Color	:	Clear
Flammable in air(% by volume)	:	Lower limit : 1.1; Upper limit : 10.0
Solubility in water	:	Not miscible with water

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions. (See section 7) When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide smokes, oxides of nitrogen.

Keep away from oxidizing agents , Strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

11. TOXICOLOGICAL INFORMATION

There are no data available on the preparation itself.

Exposure to component solvents vapors concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney , liver and central nervous system .Symptoms and signs include headache ; dizziness , fatigue , muscular weakness ,Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. ECOLOGICAL INFORMATION

There are no data available on the preparation itself. The product should not be allowed to enter drains or water courses.

13. DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses .

Waste and emptied containers should be disposed of according to the local rules and legislation.

14. TRANSPORT INFORMATION

Transport only in accordance with ADR for road , RID for rail, IMDG for sea and ICAO/IATA for air transport .

International Transport Regulations

Proper shipping name	: Paint Related Material
UN Number	: 1263
Class	: 3
Sub-risk	: -
Packing group	: III

Product Name	: Tiger Brand Thinner Xylene
Color / Name	: Clear
Label	: 3

Additional information

ADR / RID	1263 Hazard identification number: 30 Special provisions: 640E
IMDG	Emergency schedules (EmS): F-E, S-E Marine pollutant: No.
IATA	: -

15. REGULATORY INFORMATION

In accordance with the Dangerous Preparations Directive 88/379/EEC the product is labeled as follow :

Product is both Harmful (Xn) and Dangerous To The Environment (N).

R phrases	R10 Flammable. R11 Highly Flammble R20 Harmful by inhalation. R20/21 Harmful by inhalation and in contact with skin. R 38 Irritating to skin.
S phrases	S21 When using do not smoke. S23 Do not breathe spray. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S38 In case of insufficient ventilation, wear suitable respiratory equipment. S60 This material and its container must be disposed of as hazardous waste. S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

16. OTHER INFORMATION

Full text of R phrases appearing in section 2 :

Xylene	R20/21 Harmful by inhalation and in contact with skin. R38 Irritating to skin.
Ethylbenzene	R11 Highly flammable. R20 Harmful by inhalation.

Full text of Symbol phrases appearing in section 2 :

Xi - Irritant
Xn - Harmful

The information of this MSDS is based on the present state of our knowledge. As the users' working conditions are beyond our knowledge and control . The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the

responsibility of the user to take all local rules and legislation. The information in this MSDS is meant as a

Product Name	:	Tiger Brand Thinner Xylene
Color / Name	:	Clear

description of the safety requirements of our product: it is not be considered as a guarantee of the products' properties .

Prepared/Amended On 16-Mar-18