



MATERIAL SAFETY DATA SHEET

Product Name: **Beger Thinner**

Product Code: **M-44**

Page 1 of 6

Date of Issue: 07/09/2014

Version no.1

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product name: **Beger Thinner #M-44**

Supplier: Beger Co., Ltd.

Address: 90, 92 Buntudthong Road, Thanon Petchaburi, Ratchathawi, Bangkok 10400 Thailand.

2. COMPOSITION / INFORMATION ON INGREDIENTS

No.	Description	UN Number	Cas. Number	Symbol	% weight
1	Xylene (Mixture of Isomeres)	1307	1330-20-7	Xn	>30-45
2	Ethyl Acetate	1173	141-78-6	-	>25-40
3	N-Butyl Acetate	1123	123-86-4	-	>15-25

Carcinogen: None.

Legend: T+=Very toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritant, IK=No classification required, E=Explosive, O=Oxidizing, F+=Extremely flammable, F=Very flammable, Fo=Flammable, N=Danger to the environment.

3. HAZARDS IDENTIFICATION

Flammable: Flammable.
Inhalation: Slightly Irritation.
Eye Contact: Direct contact with material can cause irritation.
Skin Contact: No evidence of harmful effects from available information.
Ingestion: Swallowing a large quantity may cause nausea and central nervous system depression, with weakness, drowsiness, and loss of consciousness.

4. FIRST AID MEASURES

General Advice: Avoid contact with skin and eyes.
Inhalation: Move subject to fresh air.
Skin Contact: Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.
Eye Contact: Flush eyes with a large amount of water at least 15 minutes. Consult a physician if irritation persists.
Ingestion: If patient is fully conscious, give two glasses of water. Induce vomiting. Obtain medical attention.



Product Name: Beger Thinner

Product Code: M-44

Page 2 of 6

Date of Issue: 07/09/2014

Version no.1

5. FIRE FIGHTING MEASURES

- Extinguishing Agents:** Use extinguishing media appropriate for surrounding fire.
- Extinguishing Media:** Dry powder, foam, CO₂ for small fire. In case of large fires. Apply alcohol-type or all-purpose-type foam should be used.
- Personal Protective Equipment:** Wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) and full protective gear.
- Special Fire Fighter Procedures:** Use water spray to cool fire-exposed container and structures. Use water spray to disperse vapors; re-ignition is possible. Use self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Do not empty into drains. Remove sources of fire, ensure adequate ventilation / exhaust ventilation. Keep unauthorized persons away.

Remove mechanically; cover remainders with wet, absorbent material (e.g. sawdust, chemical binder based on calcium silicate hydrate, sand). After approx. one-hour transfer to waste container and do not seal. Keep damp in a safe ventilated area for several days. Further disposal by incineration.

Environmental Precautions: Do not let product enter drains.

7. HANDLING AND STORAGE

- Handling:** Use only in well-ventilated areas. Keep away from heat and source of ignition. General industrial hygiene practice.
- Storage:** Keep containers dry and tightly closed in a cool and well-ventilated place. Avoid exposure to temperature above 50°C. Ensure adequate ventilation or exhaust ventilation in the work area.

Product Name: Beger ThinnerProduct Code: **M-44**

Page 3 of 6

Date of Issue: 07/09/2014

Version no.1

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: An air-fed mask, or short periods of work, a combination of charcoal filter and particulate filter is recommended.

Hand Protection: Rubber or PVC plastic gloves.

Eye Protection: Chemical splash goggles, face shield.

Skin and Body Protection: Light weights protective clothing.

Hygiene Measures: Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at end of work. Keep working clothes separate. Take off immediately all contaminated clothing.



HYGINEIC PRACTICES: Good personal hygiene practices are required at all times when handling chemicals. These practices including, but are not limited to, washing when safety equipment is removed, at the end of each shift or when going on breaks and especially of contamination occurs.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid

Colour: Water-white

Odour Characteristic: Sweet fruit non-residual

Flash Point: Approx. 25°C

Specific Gravity (Water = 1): Approx. 0.85 g/cm² at 25°C

Initial Boiling Point: 135°C

Solubility in Water: Insoluble

pH: Not applicable

Ignition Temperature: Approx. 455°C

10. STABILITY AND REACTIVITY

Thermal Decomposition: Value not determined.

Hazardous Decomposition Products: No hazardous decomposition products when stored and handled correctly.

Hazardous Reactions: Exothermic reaction with amines and alcohols; reacts slowly with water forming CO₂, in closed containers risk of bursting owing to increase of pressure.



Product Name: Beger Thinner

Product Code: M-44

Page 4 of 6

Date of Issue: 07/09/2014

Version no.1

11. TOXICOLOGICAL INFORMATION

Toxicological tests carried out on another form supplier.

Skin and mucous membrane compatibility, Rabbit:

Skin 4 hours exposure-slightly irritant.

Eyes:

Non-irritant (Tested according to OECD Guidelines No.404 and No.405).

Long term contact with skin:

Tanning and irritating effects are possible.

Over-exposure, especially during spraying operations without the necessary precautions, entails the risk of concentration-dependent irritating effects on eyes, nose throat, and respiratory tract.

Acute toxicity:

LD₅₀ oral, rat: More than 5000 mg./kg.

Eyes – no finding (OECD – Guidelines for Testing of Chemicals, No.404 and No.405) (1997).

Special properties/effects:

Over – exposure, especially during spraying operations without the necessary precautions, entails the risk of concentration – dependent irritating effects on eyes, nose throat, and respiratory tract. Delayed appearance of the complaints and development of hyper – sensitivity (difficult breathing, coughing, asthma) are possible.

12. ECOLOGICAL INFORMATION

Do not allow to escape into water, wastewater or soil.

13. OTHER INFORMATION

Waste form residues / Unused Products:

Solidify unexposed surplus and dispose of together with processed materials as cured plastic waste – in accordance with local and national regulations.

Contaminated Packaging:

In accordance with local and national regulations.

Product Name: Beger ThinnerProduct Code: **M-44**

Page 5 of 6

Date of Issue: 07/09/2014

Version no.1

14. TRANSPORT INFORMATION

Transport by Road or Rail: UN 1263, Paint Related Material, 3, II, ADR/RID
(Vapour pressure at 50°C not more than 110 kPa).
Hazard identification number 33.

Sea Transport: Paint Related Material, 3, UN 1263, II

Air Transport: Paint Related Material, 3, UN 1263, II

Additional Information.

15. REGULATORY INFORMATION

The product is classified and labeled for supply in accordance with the EC directives. (1999/45/EC)

Danger Symbol: Xn, F

Danger Classification: Harmful Flammable



Product Containers: Toluene
Xylene (Mixture of Isomers)

R20/21: Harmful by inhalation and in contact with skin.

R38: Irritating to skin.



Labeling for Industrial Users:

S16: Keep away from sources of ignition-No Smoking.

S23: Do not breathe spray dust/Solvent vapour.

S33: Take precautionary measures against static discharges.

S36/37: Wear suitable protective clothing and gloves.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

National Regulations.



MATERIAL SAFETY DATA SHEET

Product Name: Beger Thinner

Product Code: M-44

Page 6 of 6

Date of Issue: 07/09/2014

Version no.1

16. OTHER INFORMATION

Restricted to professional users.

Full text of risk warnings for components listed in section 2.

- | | |
|---------|---|
| R10: | Flammable. |
| R11: | Highly flammable. |
| R20: | Harmful by inhalation. |
| R20/21: | Harmful by inhalation and in contact with skin. |
| R38: | Irritating to skin. |
| R66: | Repeated exposure may cause skin dryness or cracking. |
| R67: | Vapours may cause drowsiness and dizziness. |

This information contain herein relates only to the specific material identified. The company believes than such information is accurate and reliable as of the date of this safety date sheet, but no representation, guaranty, expressed or implied, is made as to the accuracy, or completeness of the information.