



## Safety data sheet

According to 91/155 EEC

Printing date 23.10.2012

Revision: 23.10.2012

### 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** SELLACK INDUSTRIAL THINNER
- **CAS Number:**  
108-88-3
- **EINECS Number:**  
203-625-9
- **Index number:**  
601-021-00-3
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Betek Boya ve Kimya Sanayi A.S.  
G.O.S.B. Tembelova Alani 3200 Sokak No:3206  
41400 Gebze/ Kocaeli/ Türkiye  
Tel: 00 90 262 678 30 00  
Fax: 00 90 262 641 21 68  
Pelin.Ayar@betek.com.tr
- **Further information obtainable from:** R&D department.

### 2 Composition/information on ingredients

- **Chemical characterization:** Substances
- **CAS No. Description**  
108-88-3 toluene
- **Identification number(s)**
- **EINECS Number:** 203-625-9
- **Index number:** 601-021-00-3

### 3 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
Xn; Harmful  
R20/21: Harmful by inhalation and in contact with skin.  
.....  
Xi; Irritant  
R38: Irritating to skin.  
.....  
R10: Flammable.  
-----
- **Label elements**
- **Labelling according to EU guidelines:**  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:**  
Repr. Cat. 3  
Xn Harmful
- **Risk phrases:**  
10 Flammable.  
20/21 Harmful by inhalation and in contact with skin.

(Contd. on page 2)

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**Trade name: SELLACK INDUSTRIAL THINNER**

(Contd. of page 1)

38 Irritating to skin.

· **Safety phrases:**

2 Keep out of the reach of children.

25 Avoid contact with eyes.

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### 4 First aid measures

· **Description of first aid measures**

· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** If symptoms persist consult doctor.

### 5 Firefighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Advice for firefighters**

· **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· **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

· **Handling:**

· **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.

(Contd. on page 3)

# Safety data sheet

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Revision: 23.10.2012

**Trade name: SELLACK INDUSTRIAL THINNER**

(Contd. of page 2)

- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the skin.  
Avoid contact with the eyes and skin.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

- **Material of 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.
- **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:**



Tightly sealed goggles

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(Contd. on page 4)

# Safety data sheet

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Revision: 23.10.2012

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(Contd. of page 3)

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Characteristic

- **Change in condition**

**Melting point/Melting range:** -34°C

**Boiling point/Boiling range:** 137°C

- **Flash point:** < 23°C

- **Ignition temperature:** 500°C

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Explosion limits:**

**Lower:** 1,1 Vol %

**Upper:** 7 Vol %

- **Vapour pressure at 20°C:** 6,7-8,2 hPa

- **Density at 20°C:** 0,87 g/cm<sup>3</sup>

- **Solubility in / Miscibility with water at 20°C:**

0,2 g/l  
Fully miscible.

**Organic solvents:** 100,0 %

### 10 Stability and reactivity

- **Reactivity**

- **Chemical stability**

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

- **Possibility of hazardous reactions** No dangerous reactions known.

- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

**1330-20-7 xylene**

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.

- **on the eye:** No irritating effect.

(Contd. on page 5)

# Safety data sheet

## According to 91/155 EEC

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**Trade name: SELLACK INDUSTRIAL THINNER**

(Contd. of page 4)

- **Sensitization:** No sensitizing effects known.

### 12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 3 (F1) Flammable liquids.
- **Danger code (Kemler):** 30
- **UN-Number:** 1307
- **Packaging group:** III
- **Hazard label:** 3
- **UN proper shipping name:** 1294 TOLUENE
- **Tunnel restriction code** D/E

- **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1307
- **Label** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-D
- **Marine pollutant:** No

(Contd. on page 6)

# Safety data sheet

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**Trade name: SELLACK INDUSTRIAL THINNER**

(Contd. of page 5)

· **Proper shipping name:** XYLENES

· **Air transport ICAO-TI and IATA-DGR:**



· **ICAO/IATA Class:** 3  
 · **UN/ID Number:** 1307  
 · **Label:** 3  
 · **Packaging group:** III  
 · **Proper shipping name:** XYLENES

· **Special precautions for user** Warning: Flammable liquids.

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**

Repr. Cat. 3

Xn Harmful

· **Risk phrases:**

10 Flammable.

20/21 Harmful by inhalation and in contact with skin.

38 Irritating to skin.

· **Safety phrases:**

2 Keep out of the reach of children.

25 Avoid contact with eyes.

· **National regulations:**

Class	Share in %
NK	100,0

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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