

Material Safety Data Sheet

According to 91/155 EEC

Printing date 18.03.2007

Reviewed on 18.03.2007

1 Identification of substance:

· **Product details:**

- **Trade name:** Legamaster whiteboard cleaner TZ6/TZ7/TZ8
- **Application of the substance / the preparation** *Cleaning agent/ Cleaner*
- **Manufacturer/Supplier:** *edding International GmbH
Bookkoppel 7
D-22926 Ahrensburg* *Tel.-Nr. +49 (0) 4102 / 80 8-0*
- **Informing department:** *Kundenberatungsteam Legamaster/Customer care team:
+31 (0) 573 257 433*
- **Emergency information:** *Giftinfo Mainz
Poison Information Center Mainz
++49 -(0)6131 - 19240*

* 2 Composition/Data on components:

- **Chemical characterization**
- **Description:** *Mixture of the substances listed below with harmless additions.*
- **Dangerous components:**

CAS: 64-17-5 ethanol	25-50%
EINECS: 200-578-6 F; R 11	
- **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

perfumes, anionic surfactants < 5%	
---------------------------------------	--
- **Additional information** *For the wording of the listed risk phrases refer to section 16.*

3 Hazards identification

- **Hazard designation:** *void*
- **Information pertaining to particular dangers for man and environment** *void*
- **Classification system** *The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.*

4 First aid measures

- **After inhalation** *Supply fresh air.*
- **After skin contact** *Instantly rinse with water.*
- **After eye contact** *Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.*
- **After swallowing** *Rinse out mouth and then drink plenty of water.
Induce vomiting and call for medical help.*

5 Fire fighting measures

- **Suitable extinguishing agents** *CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.*
- **Protective equipment:** *Do not inhale explosion gases or combustion gases.*

6 Accidental release measures

- **Person-related safety precautions:** *Keep away from ignition sources
Wear protective clothing.*

(Contd. on page 2)

Material Safety Data Sheet

According to 91/155 EEC

Printing date 18.03.2007

Reviewed on 18.03.2007

Trade name: Legamaster whiteboard cleaner TZ6/TZ7/TZ8

(Contd. of page 1)

- **Measures for environmental protection:** Do not allow product to reach sewage system or water bodies. Dilute with much water.
- **Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed containers.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:**
- **64-17-5 ethanol**
OEL 1920 mg/m³, 1000 ppm
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures** The usual precautionary measures should be adhered to in handling the chemicals.
Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Eye protection:** Safety glasses recommended during refilling.

9 Physical and chemical properties:

- **General Information**
- **Form:** Fluid
- **Colour:** Colourless
- **Smell:** Mild
- **Change in condition**
- **Melting point/Melting range:** Not determined
- **Boiling point/Boiling range:** Not determined
- **Flash point:** 28°C
- **Ignition temperature:** 425°C
- **Self-inflammability:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive.

(Contd. on page 3)

Material Safety Data Sheet

According to 91/155 EEC

Printing date 18.03.2007

Reviewed on 18.03.2007

Trade name: Legamaster whiteboard cleaner TZ6/TZ7/TZ8

(Contd. of page 2)

- **Critical values for explosion:**
 - Lower:** 3.5 Vol %
 - Upper:** 15.0 Vol %
- **Steam pressure at 20°C:** 57 mbar
- **Density at 20°C** ca. 0.96 g/cm³
- **Solubility in / Miscibility with Water:** Fully miscible
- **pH-value at 20°C:** ca. 7

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of composition:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
 - 64-17-5 ethanol**
 - Oral LD50 7060 mg/kg (rat)
 - Inhalative LC50/4 h 20000 mg/l (rat)
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.

12 Ecological information:

- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation**


Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**
 - 07 00 00 WASTES FROM ORGANIC CHEMICAL PROCESSES
 - 07 01 00 wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
 - 07 01 99 wastes not otherwise specified
- **Uncleaned packagings:**
- **Recommendation:** Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

(Contd. on page 4)

Material Safety Data Sheet

According to 91/155 EEC

Printing date 18.03.2007

Reviewed on 18.03.2007

Trade name: Legamaster whiteboard cleaner TZ6/TZ7/TZ8

(Contd. of page 3)

15 00 00: WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS,
FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE
SPECIFIED

15 01 00: packaging (including separately collected municipal packaging
waste)

15 01 10: packaging containing residues of or contaminated by
dangerous substances

14 Transport information

- Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)



- ADR/RID-GGVS/E Class: 3 (F1) Flammable liquids.
- Kemler Number: 30
- UN-Number: 1170
- Packaging group: III
- Label: 3
- Designation of goods: 1170 ETHANOL (ETHYL ALCOHOL), mixture

- Maritime transport IMDG/GGVSea:



- IMDG/GGVSea Class: 3
- UN Number: 1170
- Label: 3
- Packaging group: III
- EMS Number: F-E,S-D
- Marine pollutant: No
- Correct technical name: ETHANOL (ETHYL ALCOHOL), mixture

- Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 3
- UN/ID Number: 1170
- Label: 3
- Packaging group: III
- Correct technical name: ETHANOL, mixture

* 15 Regulatory information

- Designation according to EC guidelines: Observe the normal safety regulations when handling chemicals
- Hazard-determining components of labelling:
- Regulation (EC) No 648/2004 on detergents / Labelling for contents: anionic surfactants, perfumes < 5%

(Contd. on page 5)

Material Safety Data Sheet

According to 91/155 EEC

Printing date 18.03.2007

Reviewed on 18.03.2007

Trade name: Legamaster whiteboard cleaner TZ6/TZ7/TZ8

(Contd. of page 4)

- **National regulations**
 - **Technical instructions (air):**
 - **Class Share in %**
 - **NK** 25-50
 - **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
-

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases** 11 Highly flammable.
 - **Department issuing data specification sheet:** Abteilung Kundenberatung
 - **Contact:** Kundenberatungsteam Legamaster/Customer care team:
+31 (0) 573 257 433
 - *** Data compared to the previous version altered.**
-

GB