

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.01.2009

Revision: 07.12.2006

1 Identification of substance

- **Product details**
- **Trade name** **Traffic Film Remover (TFR)**
Alkutex Traffic Film Remover (TFR)
- **Article number:** 0671
- **Application of the substance / the preparation** Cleaning agent/ Cleaner
- **Manufacturer/Supplier:**
Remmers Baustofftechnik GmbH
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D-49624 Lönningen / Germany
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- **Informing department:**
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after working hours: Tel.: +49 (0)171/6428-297

2 Hazards identification

- **Hazard designation:** not applicable
- **Information pertaining to particular dangers for man and environment** not applicable
- **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.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Cleansing agent

- **Dangerous components:**

CAS: 69011-36-5	Isotridecanol, ethoxiliert	Xn, Xi; R 22-41	2.5-<5%
CAS: 64742-82-1 EINECS: 265-185-4	Naphtha (petroleum), hydrodesulfurized heavy	Xn; R 65	2.5-<5%
CAS: 111-76-2 EINECS: 203-905-0	2-butoxyethanol	Xn, Xi; R 20/21/22-36/38	2.5-<5%
CAS: 112-34-5 EINECS: 203-961-6	2-(2-butoxyethoxy)ethanol	Xi; R 36	2.5-<5%
CAS: 85536-14-7 EINECS: 287-494-3	Benzenesulfonic acid, 4-C10-13-sec-alkylderivs.	C, Xn; R 22-34	1-<2.5%
CAS: 1344-09-8 EINECS: 215-687-4	Silicic acid, sodium salt	C, Xi; R 34-37	1-<2.5%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

Trade name **Traffic Film Remover (TFR)**
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(Contd. of page 1)

4 First aid measures

- **General information** Immediately remove any clothing soiled by the product.
- **After inhalation** No special requirements.
- **After skin contact**
Wash immediately with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact**
Rinse opened eye for several minutes under running water.
Seek medical treatment.
- **After swallowing**
Rinse out mouth immediately with plenty of water and administer plenty of water in small swallows (diluting effect).
Do not induce vomiting; call for medical help immediately.

5 Fire fighting measures

- **Suitable extinguishing agents**
Use fire fighting measures that suit the environment.
Water spray jet
Fire-extinguishing powder
Carbon dioxide
Alcohol-resistant foam
- **Special hazards caused by the material, its products of combustion or flue gases:**
Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
Sulphur dioxide (SO₂)
further harmful conflagration gases and fumes
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
- **Measures for environmental protection:**
Do not allow product to reach sewage system or water bodies.
Do not allow to enter the ground/soil.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.
Ensure adequate ventilation.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Use only in well ventilated areas.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information on storage in a common storage facility:**
Suitable material for containers and pipes: Light metals and their alloys.

(Contd. on page 3)

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(Contd. of page 2)

- **Further information about storage conditions:** Store cool and dry in tightly closed containers.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

111-76-2 2-butoxyethanol

OES	Long-term value: 123 mg/m ³ , 25 ppm Sk, Bmgv
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95-63-6 1,2,4-trimethylbenzene

OES	Long-term value: 125 mg/m ³ , 25 ppm ILV
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- **Additional information:** The lists that were valid during compilation were used as a basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
 Observe the usual precautionary measures when handling chemicals.
 Immediately remove soiled, saturated clothing.
 Keep away from food, beverages and animal feed.
 Do not eat, drink or smoke while working.
 Use skin protection cream for preventive skin protection.
 Wash hands before pauses and after work.
 Avoid contact with eyes and skin.
 Do not inhale gases / vapours / aerosols.
- **Respiratory equipment:**
 Use respiratory protection only when aerosol or mist is formed.
 Short term filter device:
 Filter A/P2.
- **Protection of hands:** Protective gloves.
- **Material of gloves** Nitrile rubber, NBR
- **Penetration time of glove material**
 Break through time: max. 240 min (DIN EN 374).
 The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

· General Information

Form:	Fluid
Colour:	Yellow cast
Odour:	Odourless

· Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	100°C

Flash point:	Not applicable
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Ignition temperature:	not applicable Nicht anwendbar
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Self-inflammability:	Product is not self-igniting.
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(Contd. on page 4)

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(Contd. of page 3)

· Danger of explosion:	Product is not explosive.
· Density at 20°C	ca. 1.0 g/cm ³
· Solubility in / Miscibility with Water:	Fully miscible
· pH-value at 20°C:	ca. 11
· Viscosity: kinematic at 20°C:	12 s (DIN 53211/4 Bei Berühr)

10 Stability and reactivity

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

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.
- **Sensitisation:** No sensitising effect known.
- **Additional toxicological information:**
When used and handled according to directions, the product does not have any harmful effects according to our experience and the information available.
The product is not subject to labelling based on the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.

12 Ecological information:

- **Ecotoxicological effects:**
- **Behaviour in sewage processing plants:**
- **Type of test Effective concentration Method Assessment**
Data for Naphtha (petroleum), hydrodesulfurized heavy:
10 < LC/EC/IC < 100 mg/l weakly toxic (estimated)
- **General notes:**
Water hazard class 2 : hazardous to water.
Do not allow product to reach ground water, bodies of water or sewage system.

13 Notes on disposal:

- **Product:**
- **Recommendation**
After diluting with water to a pH value of 8-9, the product can be led into sewage system.
Observe local regulations.
The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

(Contd. on page 5)

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(Contd. of page 4)

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
- **ADR/RID-GGVS/E Class:** /

- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** /

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** /

- **Transport/Additional information:** Not a hazardous good according to the above regulations.

15 Regulatory information

- **Designation according to EC guidelines:**
The product is not subject to labelling in accordance with EC Guidelines and the Ordinance on Hazardous Materials (GefStoffV).
Observe normal safety precautions for handling chemicals
- **National regulations**
- **Water hazard class:**
German Water hazard class 2: hazardous to water.
according to appendix 4 VwVwS
- **Other regulations, limitations and prohibition ordinances**
Observe the usual protective measures when working and for storage.

16 Other information:

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.
Delivery specifications are found in the respective Technical Information Sheets.

- **Relevant R-phrases**
20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
22 Harmful if swallowed.
34 Causes burns.
36 Irritating to eyes.
36/38 Irritating to eyes and skin.
37 Irritating to respiratory system.
41 Risk of serious damage to eyes.
65 Harmful: may cause lung damage if swallowed.
- **Department issuing data specification sheet:** Product Safety department

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