

Safety Data Sheet

according to 1907/2006/EC, Article 31



Revision: 26.05.2009

Printing date 24.02.2010

1 Identification of substance

· Product details

· Trade name **Haftreiniger 15**

· Number of Safety Data Sheet / Revision: 49/12

· Application of the substance / the preparation Etch primer, Wash primer

· Manufacturer/Supplier:

Tremco illbruck Produktion GmbH

Zweigniederlassung Traunreut

Traunring 65

D - 83301 Traunreut

Fax: ++49/8669/4651 Tel.: ++49/8669/3410-0

· Informing department: E-Mail: info-tr@tremco-illbruck.com

· Emergency information:

Poisons Information Centre Munich

Tel: ++49/89/19240

2 Hazards identification

· Hazard designation:



Xn Harmful

F Highly flammable

N Dangerous for the environment

· Information pertaining to particular dangers for man and environment:

R 11 Highly flammable.

R 38 Irritating to skin.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed.

R 67 Vapours may cause drowsiness and dizziness.

· 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.

· GHS label elements



Danger

H225 - Highly flammable liquid and vapour.



Danger

H304 - May be fatal if swallowed and enters airways.



Warning

H400 - Very toxic to aquatic life.



Warning

H315 - Causes skin irritation.

H336 - May cause drowsiness or dizziness.

· Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

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- **Response:**

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

- **Storage:**

P405 Store locked up.

- **Disposal:**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

- **Chemical characterization**

- **Description:** Solvent mixture with additives.

- **Dangerous components:**

CAS: 90622-56-3 EINECS: 292-458-5	C7 - C10 Isoalkanes ☒ Xn, ☒ Xi, ☒ F, ☒ N; R 11-38-51/53-65-67 Danger: ☒ 2.6/2; ☒ 3.10/1 Warning: ☒ 3.2/2, 3.8/3 ☒ 4.1.C/2	25-50%
CAS: 111-65-9 EINECS: 203-892-1	octane ☒ Xn, ☒ Xi, ☒ F, ☒ N; R 11-38-50/53-65-67 Danger: ☒ 2.6/2; ☒ 3.10/1 Warning: ☒ 4.1.C/1; ☒ 3.2/2, 3.8/3	25-50%
CAS: 1330-20-7 EINECS: 215-535-7	xylene, mixed isomers, pure ☒ Xn, ☒ Xi; R 10-20/21-38 Warning: ☒ 2.6/3; ☒ 3.1.D/4, 3.1.I/4, 3.2/2	2.5-10%
CAS: 5593-70-4 EINECS: 227-006-8	titanium tetrabutanolate ☒ Xi; R 10-36/38 Warning: ☒ 2.6/3; ☒ 3.2/2, 3.3/2	2.5-10%
CAS: 78-10-4 EINECS: 201-083-8	tetraethyl orthosilicate ☒ Xn, ☒ Xi; R 10-20-36/37 Warning: ☒ 2.6/3; ☒ 3.1.I/4, 3.3/2, 3.8/3	< 2.5%
CAS: 100-41-4 EINECS: 202-849-4	ethylbenzene ☒ Xn, ☒ F; R 11-20 Danger: ☒ 2.6/2 Warning: ☒ 3.1.I/4	< 2.5%
CAS: 108-88-3 EINECS: 203-625-9	toluene ☒ Xn, ☒ Xi, ☒ F; R 11-38-48/20-63-65-67 Danger: ☒ 2.6/2; ☒ 3.10/1, 3.7/2, 3.9/2 Warning: ☒ 3.2/2, 3.8/3	< 2.5%

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

4 First aid measures

- **General information**

Instantly remove any clothing soiled by the product.
 Take affected persons into the open air.

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.

- **After skin contact:** Remove from the skin using a cloth or paper. Then clean with water and soap.

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult doctor.

- **After swallowing:** Do not induce vomiting; instantly call for medical help.

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5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water spray jet. Fight larger fires with water spray jet.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Special hazards caused by the material, its products of combustion or flue gases:**
Can form explosive gas-air mixtures.
- **Protective equipment:** No special measures required.
- **Additional information** Cool endangered containers with water spray jet.

6 Accidental release measures

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

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.
Protect against electrostatic charges.
- **Storage**
- **Requirements to be met by storerooms and containers:**
Observe regulations for the storage of water hazard substances according to the water hazard class (see chapter 12). These are specific for each country.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed containers.
Protect from heat and direct sunlight.
- **Storage class** 3 A (according to VCI-concept)-flammable liquids

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:

1330-20-7 xylene, mixed isomers, pure

WEL	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
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100-41-4 ethylbenzene

WEL	Short-term value: 552 mg/m ³ , 125 ppm Long-term value: 441 mg/m ³ , 100 ppm
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108-88-3 toluene

WEL	Short-term value: 384 mg/m ³ , 100 ppm Long-term value: 191 mg/m ³ , 50 ppm Sk
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- **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.
Keep away from foodstuffs, beverages and food.
Do not inhale gases / fumes / aerosols.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.
Use skin protection cream for preventive skin protection.
- **Breathing equipment:** Use breathing protection in case of insufficient ventilation.
- **Protection of hands:** Solvent resistant gloves
- **Material of gloves**
Natural rubber, NR
Nitrile rubber, NBR
- **Penetration time of glove material**
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:	Colourless
Smell:	Benzen-like

· **Change in condition**

Melting point/Melting range: Not determined
Boiling point/Boiling range: 116°C

· **Flash point:** 9°C· **Ignition temperature:** > 200°C· **Self-inflammability:** Product is not selfigniting.· **Danger of explosion:** The product is not explosive. However, formation of explosive steam/air mixtures is possible.· **Critical values for explosion:**

Lower: 0.7 Vol %
Upper: 8.3 Vol %

· **Steam pressure at 20°C:** ca. 16.3 hPa· **Density at 20°C** 0.75 g/cm³· **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix

10 Stability and reactivity

- **Conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:**
- **Dangerous reactions**
Forms explosive gas mixture with air

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No dangerous reactions known

· **Dangerous products of composition:** None if stored according to specifications.**11 Toxicological information**· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:****90622-56-3 C7 - C10 Isoalkanes**

Oral LD50 >10.000 mg/kg (rat)

Dermal LD50 >3.000 mg/kg (rat)

Inhalative LC50/4 h 21 mg/l (rat)

· **Primary irritant effect:**· **on the skin:** Irritating effect· **on the eye:** Irritant effect.· **Sensitization:** No sensitizing effect known.· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Harmful

Vapours have anaesthetic effect.

12 Ecological information:· **Additional ecological information:**· **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

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**

08 04 99 wastes not otherwise specified

· **Uncleaned packagings:**· **Recommendation:**

Empty packages totally (without drops or grains, cleaned with a spatula). Under observation of the relevant local respectively national regulations re-use or recycling is preferred.

14 Transport information· **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**· **ADR/RID-GGVS/E Class:** 3 (F1) Flammable liquids.· **Kemler Number:** 33· **UN-Number:** 1993· **Packaging group:** II

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- **Label** 3
- **Special marking:** Symbol (fish and tree)
- **Designation of goods:** 1993 FLAMMABLE LIQUID, N.O.S. (C7 - C10 ISOALKANES, OCTANES)
- **Limited quantities (LQ)** LQ4
- **Transport category** 2
- **Tunnel restriction code** D/E

· **Maritime transport IMDG/GGVSea:**



- **IMDG/GGVSea Class:** 3
- **UN Number:** 1993
- **Label** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No
- **Correct technical name:** FLAMMABLE LIQUID, N.O.S. (C7 - C10 ISOALKANES, OCTANES)
- **IMDG-Label:** 3

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



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1993
- **Label** 3
- **Packaging group:** II
- **Correct technical name:** FLAMMABLE LIQUID, N.O.S. (C7 - C10 ISOALKANES, OCTANES)

- **UN "Model Regulation":** UN1993, FLAMMABLE LIQUID, N.O.S., 3, II
- **Environmental hazards:**
Product contains environmentally hazardous substances: C7 - C10 ISOALKANES, octane

15 Regulatory information

- **Designation according to EC guidelines:**
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
- **Code letter and hazard designation of product:**
Xn Harmful
F Highly flammable
N Dangerous for the environment
- **Hazard-determining components of labelling:**
C7 - C10 Isoalkanes
octane
- **Risk phrases:**
11 Highly flammable.
38 Irritating to skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.

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67 Vapours may cause drowsiness and dizziness.

Safety phrases:

- 9 Keep container in a well-ventilated place.
- 16 Keep away from sources of ignition - No smoking.
- 23 Do not breathe fumes/aerosol.
- 25 Avoid contact with eyes.
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- 62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

National regulations

If nothing other is noted, the following remarks refer to regulations of the Federal Republic of Germany.

- **Information about limitation of use:** Observe restriction of occupation.

- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

Other regulations, limitations and prohibitive regulations

According to § 14 GefStoffV the employer must set up a working regulation to inform his employees about the existing hazards while working with this product.

16 Other information:

The safety data sheet shows the essential physical, toxicological, ecological and safety data of this product as well as it gives recommendations for a safe handling e.g. at storage, usage and transport. The appropriate information shall be used to protect people and environment. 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. The consignee of our products must observe existing laws and regulations in his own responsibility even if these are not mentioned in this safety data sheet.

Relevant R-phrases

- 10 Flammable.
- 11 Highly flammable.
- 20 Harmful by inhalation.
- 20/21 Harmful by inhalation and in contact with skin.
- 36/37 Irritating to eyes and respiratory system.
- 36/38 Irritating to eyes and skin.
- 38 Irritating to skin.
- 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 63 Possible risk of harm to the unborn child.
- 65 Harmful: may cause lung damage if swallowed.
- 67 Vapours may cause drowsiness and dizziness.

Contact:

Department QEA
 Tel: ++49/8669/3410-49

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organization
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent

- * **Data compared to the previous version altered.**