

SAFETY DATA SHEET TRAFFIC FILM REMOVER

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Compilation date: 09/07/2015

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: TFR

Product code: 668

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: PC35: Washing and cleaning products (including solvent based products).

1.3. Details of the supplier of the safety data sheet

Company name: Tensid UK Ltd
Unit 1 Craven Court
Canada Road
Byfleet
Surrey
KT14 7JI
United Kingdom

Tel: +44 (0)1932 564 133

Fax: +44 (0)1932 562 046

Email: info@tensid.com

1.4. Emergency telephone number

Emergency tel: +44 (0)1932 564 133

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Dam. 1: H318; Skin Irrit. 2: H315

Most important adverse effects: Causes skin irritation. Causes serious eye damage.

2.2. Label elements

Label elements:

Hazard statements: H315: Causes skin irritation.
H318: Causes serious eye damage.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion



Precautionary statements: P280: Wear protective gloves/eye protection.
P302+352: IF ON SKIN: Wash with plenty of water/soap and water.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

[cont...]

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2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

SODIUM HYDROXIDE 50%

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	-	-	Skin Corr. 1A: H314; Met. Corr. 1: H290	1-10%

ALCOHOLS, C12-13-BRANCHED AND LINEAR, ETHOXYLATED

931-954-4	160901-19-9	-	Acute Tox. 4: H302; Eye Dam. 1: H318	1-10%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Irritating to skin. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Eye contact: Irritating to eyes. Bathe the eye with running water for 15 minutes. Remove contact lenses from the eyes before rinsing. Get medical attention if irritation persists.

Ingestion: Ingestion may cause nausea and vomiting. Do not induce vomiting. Rinse mouth thoroughly. Drink 1 or 2 cups of water. Seek medical attention if irritation persists. Never give anything by mouth to an unconscious person.

Inhalation: May cause irritation to mucous membranes. Move the exposed person to fresh air. Keep the affected person warm and at rest. Seek medical attention if irritation symptoms persist.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: Blistering may occur.

Eye contact: There may be pain and redness. The eyes may water profusely. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: No data available.

4.3. Indication of any immediate medical attention and special treatment needed

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide. In combustion emits toxic fumes of nitrogen oxides.

5.3. Advice for fire-fighters

Advice for fire-fighters: In Case of Fire and/or explosion do not breathe fumes. Wear self-contained breathing apparatus.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Ensure adequate ventilation of the working area Wear suitable protective equipment

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid skin and eye contact. Ensure there is sufficient ventilation of the area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Store in correctly labelled containers.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

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

Hand protection: Nitrile gloves.

[cont...]

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Eye protection: Safety goggles. Face-shield. Ensure eye bath is to hand.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Orange-brown

Odour: Pleasant

Evaporation rate: No data available.

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Boiling point/range°C: 100

Melting point/range°C: No data available.

Flammability limits %: lower: No data available.

upper: No data available.

Flash point°C: No data available.

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: No data available.

Vapour pressure: No data available.

Relative density: 1.04-1.06

pH: 12.5 - 14.0

VOC g/l: No data available.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Heat. Sparks. Flames.

10.5. Incompatible materials

Materials to avoid: Oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: Burning produces irritating, toxic and obnoxious fumes. Carbon oxides. Nitrogen oxides.

Section 11: Toxicological information

11.1. Information on toxicological effects

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Hazardous ingredients:

ALCOHOLS, C12-13-BRANCHED AND LINEAR, ETHOXYLATED

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>300-2000	mg/kg

Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: Blistering may occur.

Eye contact: There may be pain and redness. The eyes may water profusely. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: No data available.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)	96H LC50	7	mg/l
ALGAE	72H IC50	2.4000	mg/l
FISH	96H LC50	1.1100	mg/l
DAPHNIA	48H EC50	1.9000	mg/l

Hazardous ingredients:

SODIUM HYDROXIDE 50%

DAPHNIA	48H EC50	156	mg/l
FISH	96H LC50	55.6	mg/l

ALCOHOLS, C12-13-BRANCHED AND LINEAR, ETHOXYLATED

Daphnia magna	48H EC50	>1-10	mg/l
FISH (<i>Cyprinus carpio</i>)	96H LC50	>1-10	mg/l
GREEN ALGA (<i>Selenastrum capricornutum</i>)	72H ErC50	>1-10	mg/l

12.2. Persistence and degradability

Persistence and degradability: Readily biodegradable. All ingredients in this formulation comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Greater than 90% biodegradable according to method OECD 301.

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12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Soluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: The product may affect the acidity (pH factor) in water with risk of harmful effects to aquatic organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN3267

14.2. UN proper shipping name

Shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
(SODIUM HYDROXIDE)

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Tunnel code: E

Transport category: 2

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H290: May be corrosive to metals.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.