

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 PRODUCT : TFR 6 EX - TRAFFIC FILM REMOVER

This is a blended product and is not required to be individually registered.

UN NO – 1760

CAS NO – N/A

EC NO – N/A

INDEX NO - N/A

REACH REGISTRATION NO. – N/A

1.2 Recommended use and restrictions on use.

For trade and professional use only. Removes traffic film, oil and grease from commercial vehicles, and plastic/metal surfaces. Use carefully on Aluminium surfaces. Do not use on brass or zinc surfaces. Used in metal cleaning. Exercise extreme care when mixing with other chemicals. Do not mix with acids.

1.3 COMPANY Ford Fuels Ltd., Farrington Fields Trading Estate, Farrington Gurney, Bristol. BS39 6UU

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1.4 EMERGENCY TEL. NUMBERS OUT OF HOURS :

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF SUBSTANCE



GHS05 CORROSIVE .



GHS07 EXCLAMATION MARK

Metal corrosive 1 H290 May be corrosive to metals

Skin corrosive 1B H314 Causes severe skin burns and eye damage.

2.2 LABEL ELEMENTS

The substance is classified and labelled according to the CLP regulations.

HAZARD PICTOGRAMS GHS05 GHS07

SIGNAL WORD - DANGER

HAZARD STATEMENTS

H290 May be corrosive to metals

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

P234 Keep only in original container.

P260 Do not breathe dust/fumes/gas/mist/vapours/spray.

P303+P361+P353 If on skin or hair ; remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 If in eyes : Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

P309+P311 If exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.

P304+p340 If inhaled : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

2.3 OTHER HAZARDS

Results of PBT and vPVb assessment

PBT : Not applicable.
VPvB : Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS - all % are w/w

All the hazardous ingredients are detailed below. There are non hazardous ingredients in the formula but not included below.

3.1 CAUSTIC SODA LIQUOR – 2% max.
CAS NO – 1310-73-2
EC NO – 215-185-5
INDEX NO - 017-002-01-X
REGISTRATION NO. – 01-21194457892-27-XXXX

NTA – TRISODIUM NITRILOTRIACETATE – 5%
CAS NO – 5064-31-32
EC NO – 225-768-6
REACH REGISTRATION NO : 01- 2119519239-36

SODIUM METASILICATE PENTAHYDRATE - <2%
CAS NO – 10213-79-3
EC NO – 229-912-9
REACH REGISTRATION NO -01-2119449811-37

SURFACTANT – ALCOHOL ETHOYLATE <5%
CAS NO – 68439-45-2
EC NO –
REACH REGISTRATION NO - POLYMER – REACH EXEMPT.

BENZYL-C12-16-ALKYDIMETHYL CHLORIDES <5%
CAS number: 68424-85-1
EC number: 270-325-2
REACH REGISTRATION NO : 01- 2119965180-41-XXXX

COCAMIDOPROPYL BETAINE – 1-5%
CAS NO – 97862-59-4
EC NO – 931-296-8
REACH NO - 01-2119488533-30-0018

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

GENERAL INFORMATION : Immediately remove any clothing soiled by the substance. Seek medical assistance if symptoms persist or person's condition does not improve.

INHALATION : Remove person from exposure. In case of unconsciousness place patient stably in side position for transportation.

SKIN CONTACT : Immediately wash with water and soap and rinse thoroughly.

EYE CONTACT : Rinse opened eye for up to 15 minutes under running water. If symptoms persist then consult a doctor.

SWALLOWING : Do not induce vomiting. Drink up to half a litre of water and provide fresh air. Call for doctor immediately.

INFORMATION FOR DOCTOR:

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Skin contact – severe irritation and redness

Eye contact - severe irritation and redness, profuse eye watering and pain. Risk of permanent damage.

Ingestion – Nausea and stomach pain, convulsions and vomiting.

Inhalation – severe irritation of mucous membranes (nose, throat, lungs) ; tightness of chest.

4.3 INDICATIONS OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

If person in extreme distress immediate medical attention is required.

5. FIRE FIGHTING MEASURES

- 5.1 SUITABLE EXTINGUISHING MEDIA - dry powder, water spray, foam , CO₂, Fight larger fires with water spray or alcohol resistant foam.
- 5.2 SPECIAL HAZARDS ARISING: This product is non-flammable. If involved in a fire it might emit toxic fumes -hydrogen chloride gas.
- 5.3 ADVICE FOR FIREFIGHTERS / PROTECTIVE EQUIPMENT Use self contained breathing apparatus when fighting fire containing this substance.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 PERSONNEL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
Wear protective equipment – goggles, gloves, boots and chemical resistant suit. Keep unprotected people away.
- 6.2 ENVIRONMENTAL PRECAUTIONS
All uncontrolled spillages must IMMEDIATELY be alerted to the Environment Agency, or Emergency services. Contain the spillage with bunding. If containment is not possible dilute with plenty of water. Do not allow to enter drains, surface water, ground water or watercourses.
- 6.3 METHODS AND MATERIALS OF CONTAINMENT AND CLEANING UP
Absorb with liquid binding material (sand, sawdust, absorbent granules, binders).
Use a neutralising agent.
Dispose of contaminated material in accordance with section 13.
Ensure adequate ventilation.
- 6.4 REFERENCE TO OTHER SECTIONS
Section 7 – information on safe handling.
Section 8 – information on personnel protective equipment.
Section 13 – information on disposal.

7. HANDLING AND STORAGE

- 7.1 PRECAUTIONS FOR SALE HANDLING - Keep out of reach of children. Wear suitable protective clothing, Avoid direct contact with this substance. Do not allow atomisation of liquid.
FIRE SAFETY INFORMATION – See section 5.
- 7.2 SAFE STORAGE INFORMATION – STORAGE – store in containers supplied in cool lockable storeroom.
Keep segregated from incompatibles. Incompatible substances include strong alkalis, bleach and alkalis containing chlorine. Do not put product in metal containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 CONTROL PARAMETERS
INGREDIENTS WITH LIMIT VALUES THAT REQUIRE MONITORING IN THE WORKPLACE
CAUSTIC SODA
WEL SHORT TERM OEL - 1 ppm. LONG TERM OEL – 1 ppm
- NTA – not available.
NON-IONIC SURFACTANT – not available.
BENZYL-C8-18-ALKYDIMETHYL CHLORIDES – not available
COCAMIDOPROPYL BETAINE – n/a

- 8.2 EXPOSURE CONTROLS
PERSONAL PROTECTIVE EQUIPMENT : Gloves, boots, mask or respirator. Avoid contact with eyes and skin.
GENERAL PROTECTIVE AND HYGIENE MEASURES : Keep away from food and beverages. Wash hands before meal breaks, and at end of working shift.
RESPIRATORY PROTECTION : In case of risk of exposure to spray / vapour wear respiratory filter device. In case of risk of longer term exposure use a mask or filter that controls water based / water borne chemicals, eg a filter that has a combination filter type A2/P3.
PROTECTION OF HANDS : WEAR GLOVES
PROTECTION OF EYES ; WEAR GOGGLES / MASK

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 GENERAL INFORMATION

Appearance	- Red, clear, mobile foamy liquid.
Odour	- faint.
Spec. Gravity	- 1.08 at 20°C typically.
pH neat	- 13 typically.
pH 1% solution	- 13 typically.
Flashpoint	- NOT FLAMMABLE
Vapour pressure	- N/A
Solubility	- readily soluble in water.
Viscosity	- not measured.
Freezing point	- -10°C
Boiling point	- 100°C

9.2 OTHER INFORMATION

Organic Solvent content – nil.

10. STABILITY AND REACTIVITY

10.1 REACTIVITY - not applicable.

10.2 CHEMICAL STABILITY – not applicable.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS – not applicable

10.4 CONDITIONS TO AVOID – not applicable.

10.5 INCOMPATIBLE SUBSTANCES – strong oxidising agents, and acids

10.6 Hazardous decomposition products –none.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON ROUTES OF EXPOSURE

Avoid contact with skin and eyes. And avoid inhalation of vapour.

11.2 SYMPTOMS RELATED TO PHYSICAL, CHEMICAL, TOXICOLOGICAL CHARACTERISTICS :

SKIN – corrosive effect – causes severe irritation, redness, extreme irritation causing bleeding.

EYES – corrosive effect – severe irritation and pain, and long term damage possible.

SWALLOWING – EFFECT ON DIGESTIVE TRACT – strong corrosive effect on mouth, and digestive tract. Can lead to perforation of stomach and digestive tract.

SENSITIZATION EFFECTS – not applicable.

11.3 IMMEDIATE EFFECTS : coughing and choking.

DELAYED EFFECTS – feeling unwell, irritation of skin, mucous membranes.

CHRONIC EFFECTS - sores and lesions.

11.4 DATA ON TOXICITY

CAUSTIC SODA :

ORAL LD50 – 2000 mg/kg – rat

SODIUM METASILICATE

ORAL LD50 – 1280 mg/kg – rat

ORAL LD50 - 770 mg/kg - mouse

NTA

ORAL LD50 – 1000 - 2000 mg/kg – rat

ALCOHOL ETHOXYLATE

ORAL LD50 – 200 - 2000 mg/kg – rat

BENZYL-C8-18-ALKYDIMETHYL CHLORIDES

ORAL LD50 – 795mg/kg – rat

DERMAL LD50 – 1560 mg/kg (rat)

COCAMIDOPROPYL BETAINE

ORAL LD50 (rat) – 2430 mg/kg

DERMAL LD50 (rat) - >620 mg/kg

Relevant Hazards

No sensitization reactions recorded.

12. ECOLOGICAL INFORMATION

No measurements have been taken. But figures for hazardous constituents are :

CAUSTIC SODA :

12.1 ECOTOXICITY - AQUATIC

EC50 – 100 mg/l – daphnia (OECD 202)

EC50 (48µ) – 40.4 mg/l – daphnia

LC50 (48µ) – 189 mg/l – leuciscus idus (OECD 203)

LC50 (96µ) – 35- 189 mg/l – fish

12.2 PERSISTENCE AND DEGRADABILITY – not available.

12.3 BIOACCUMULATIVE POTENTIAL – not available.

12.4 MOBILITY IN SOIL – readily soluble in water and thus is mobile in soil : not available.

12.5 OTHER ADVERSE EFFECTS – increases ph in water as thus has immediate local adverse effects. Do not allow into watercourses, foul water systems, or surface water drainage.

NTA

12.1 ECOTOXICITY - AQUATIC

LC50 (96 HR) – 98-312 mg/l – FISH

LC50 (48 HR) – 780 mg/l – DAPHNIA

12.2 PERSISTENCE AND DEGRADABILITY – this product complies with the biodegradability criteria as laid down in regulation (EC) NO. 648/2004 on detergents.

12.3 BIOACCUMULATIVE POTENTIAL – is not thought to bioaccumulate.

12.4 MOBILITY IN SOIL – substance is soluble in water.

12.5 OTHER ADVERSE EFFECTS –Do not allow into watercourses, foul water systems, or surface water drainage.

SODIUM METASILICATE

LC50 96 HRS (fish) - 3185 mg/lit

EC50 48 HRS (daphnia) – 4857 mg/lit

12.2 PERSISTENCE AND DEGRADABILITY – this product complies with the biodegradability criteria as laid down in regulation (EC) NO. 648/2004 on detergents.

12.3 BIOACCUMULATIVE POTENTIAL – not available.

12.4 MOBILITY IN SOIL – not available.

12.5 OTHER ADVERSE EFFECTS –Do not allow into watercourses, foul water systems, or surface water drainage.

BENZYL-C8-18-ALKYDIMETHYL CHLORIDES

EC50 – 48 HR – 0.03 MG/LIT (daphnia)

EC50 – 96 HR – 0.06 MG/LIT (selenastrum capricornutum)

LC50 96 HR – 1.7 MG/LIT (rainbow trout)

NON-IONIC SURFACTANT – ALCOHOL ETHOXLATE

12.1 ECOTOXICITY - AQUATIC

LC50 (96 HR) – 1-10 mg/l – FISH

12.2 PERSISTENCE AND DEGRADABILITY – this product complies with the biodegradability criteria as laid down in regulation (EC) NO. 648/2004 on detergents.

12.3 BIOACCUMULATIVE POTENTIAL – not available.

12.4 MOBILITY IN SOIL – not available.

12.5 OTHER ADVERSE EFFECTS –Do not allow into watercourses, foul water systems, or surface water drainage.

COCAMIDOPROPYL BETAINE

12.1 ECOTOXICITY - AQUATIC

OECD 201 ALGA GROWTH/INHIBITION ACUTE ErC50 72 HRS ALGAE – 9.86 – 15.3 mg/lit

EC50 48 HRS daphnia – 1.9 mg/lit

12.3 BIOACCUMULATIVE POTENTIAL – not available.

12.4 MOBILITY IN SOIL – not available.

12.5 OTHER ADVERSE EFFECTS –Do not allow into watercourses, foul water systems, or surface water drainage.

13. DISPOSAL CONSIDERATIONS

13.1 DO NOT DISPOSE OF WITH HOUSEHOLD WASTE OR LANDFILL. DISPOSE OF AS INDUSTRIAL WASTE. DO NOT DISPOSE OF INTO FOUL WATER DRAINS. Contain in absorbent material. This should then be treated by an expert disposal company. Consult local authority regulations or waste disposal experts if in doubt prior to disposal. UNCLEANED CONTAINERS – only dispose of after obtaining consent from disposal expert.

14. TRANSPORT INFORMATION

14.1 U.N. NO. - 1760 - ADR, IMDG, IATA.

14.2 UN PROPER SHIPPING NAME – CORROSIVE SOLUTION N.O.S. – TFR 1A TRAFFIC FILM REMOVER

14.3 TRANSPORT HAZARD CLASSES



CLASS 8 CORROSIVE ; ADR, IMDG, IATA.

14.4 PACKING GROUP - III

14.5 ENVIRONMENTAL HAZARDS / MARINE POLLUTANT – NO

14.6 TRANSPORT IN BULK – KEMLER CODE – 80

EMS NUMBER – F-A,S-B

According to Annex II of MARPOL 73/78 and the IBC code – n/a.

14.7 SPECIAL PRECAUTIONS - WARNING – CORROSIVE SUBSTANCE . EMS NUMBER – F-A, S-B

SEGREGATION GROUPS – ALKALIS

14.8 OTHER INFORMATION - TUNNEL CODE – E

14.9 UN MODEL REGULATION – UN1760 N.O.S. CORROSIVE SOLUTION, 8 , II

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE
WATER HAZARD CLASS – Class 1 – slightly hazardous for water.

15.2 CHEMICAL SAFETY ASSESSMENT – not carried out.

COSHH assessment should be done specific to site.

16. OTHER INFORMATION

This information is based on current knowledge and is provided in good faith and to the best of our knowledge and experience. This document shall not constitute a guarantee for any recommendations or advice contained in this document, and shall not establish a legally binding or valid contractual relationship. It is the duty of the consignee to comply with all regulations and laws, and they should make their own determination of what is correct as it applies to the sites on which it is stored and used.

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Approved by – David Ford