



**Janitorial
Supplies Ireland**

PRODUCT INFORMATION SHEET

TFR GOLD

NON-CAUSTIC TRAFFIC FILM REMOVER

PRODUCT INFORMATION:

A non caustic, concentrated alkaline traffic film remover and vehicle cleaner, suitable for use in both hot and cold pressure washes, manually or other cleaning systems.

ADVANTAGES:

HIGH FOAM STABILITY:	Formulated to produce medium /high foam when used at the appropriate dilutions. This ensures long contact times to promote soil removal.
HIGH CLEANING POWER:	Contains a powerful blend of alkalis, surfactants, sequestering agent & emulsifiers, which remove grease, dirt and traffic film with ease
SUITABLE IN HARD OR SOFT WATER:	Contains a sequestering agent, which inhibits scale formulation & optimises detergency, even in very hard water areas.
VERSATILITY OF USE:	Can be used in all pressure washer or brush wash systems. It is also suitable for manual cleaning when desired.
BIODEGRADABLE:	Fully biodegradable.
SOLUBILITY:	100% soluble in water.

DIRECTIONS FOR USE:

Use at the following concentrations: Light Soiling 1:80; Medium Soiling 1:50; Heavy Soiling 1:20 in foaming machines for normal usage. For use as pre-spray on bug stains, wheels etc. dilute 1:1. Always wet vehicle before applying any detergent. Apply to all areas of vehicle using a soft brush or sponge. Allow a few moments contact time & wash off with plenty of clean water. Do not mix with other cleaning materials.

HEALTH AND SAFETY: See Safety Data Sheet.

PACKAGING:

All our plastic drums are high molecular weight; high-density polyethylene designed to bring the product to the customer in perfect conditions.
Size: 5Lt Drums, 20 Lt. Drums, 205 Lt. Barrel and 1,000 Lt. I.B.C.

QUALITY ASSURANCE:

This product is manufactured in Ireland to ISO 9002 quality standards & conforms to R.E.A.C.H & CLP regulations. Shelf life: Not less than 3 years.

Safety Data Sheet

PRODUCT NAME: TFR GOLD**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier

Product Name TFR GOLD
Product No. JSI-008

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

Identified uses: Cleaning agent

1.3. Details of the supplier of the safety data sheet

Supplier Halfords JSI Ltd
P.O. Box 10935
Dublin 11
Tel: +353 (0)1 8569347
Fax: +353 (0)85 7043434

1.4. Emergency Contact: National Poisons Information Centre, Beaumont Hospital,
Beaumont Road, Dublin 9. Tel: +353(01)8092566

SECTION 2: HAZARDS IDENTIFICATION2.1. Classification of the substance or mixture

Classification: Regulation (EC) No 1272/2008: H302, H315, H318
Human health: Harmful if swallowed. Causes severe eye damage. Causes skin irritation
Environment: This product is Readily Biodegradable and not expected to be hazardous to the environment.

2.2. Label elements

Detergent Labelling: Contains: Sodium Metasilicate, Non-ionic & amphoteric surfactants
Labelling



DANGER



WARNING

Hazard Statements H302 Harmful if swallowed
H315 Causes skin irritation
H318 Causes serious eye damage.

Precautionary Statements

P262 Do not get in eyes, on skin or on clothing
P264 Wash hands thoroughly after handling
P280 Wear protective gloves, eye & face protection
P270 Do not eat, drink or smoke when using this product.
P301 IF SWALLOWED: Rinse mouth. Call a poison centre or doctor if & 312 you feel unwell.
P305 IF IN EYES: Flush eyes with water, remove contact lenses if & 310 present & continue rinsing. Immediately call a poison centre or doctor/physician
P302 IF ON SKIN: Remove contaminated clothing & rinse skin thoroughly with soap & water. Obtain medical attention if irritation persists
P501 Dispose of contents/container in accordance with local regulation

2.3. Other hazards N/A

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 2 of 9

Date of issue: 01.01.17

Replaces version of: 01.01.15

P304	IF INHALED: Remove immediately from source to fresh air. Obtain medical attention if any discomfort continues.
P305 & 310	IF IN EYES: Flush eyes with water, remove contact lenses if present & continue rinsing. Immediately call a poison center or doctor/physician.
P390	Absorb spillage to prevent material damage
P403, 405, 406 & 233	Store locked up in a corrosive resistant plastic drum in a well ventilated place. Keep container tightly closed
P501	Dispose of contents/container to in accordance with local regulations. Recover, reclaim or recycle, where possible.

2.3. Other hazards N/A

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

TETRASODIUM ETHYLENE DIAMINE TETRAACELATE CAS-No.: 64-02-8	EC No.: 200-573-9	1-5%
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318		
DISODIUM METASILICATE PENTAHYDRATE CAS-No.: 10213-79-3	EC No.: 229-912-9	1-5%
Classification (EC 1272/2008) Metal Corr. 1 – H290 Skin Corr. 1B - H314 STOT SE 3 - H335		
COCOAMIDOPROPYL BETAINE CAS-No.: 61789-40-0	EC No.: 263-058-8	1-5%
Classification (EC 1272/2008) Eye Dam. 1- H318		
ALCOHOL ETHOXYLATE CAS-No.: 68439-45-2	EC No.: 614-482-0	1-5%
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318		
β-ALANINE, N-(2-CARBOXYETHYL)-, N-COCO ALKYL DERIVS., DISODIUM SALTS CAS No.: 90170-43-7	EC No.: 290-476-8	0-2%
Classification (EC 1272/2008) Eye Irrit. 2 - H319		
ALKYLAMINE DICARBOXYLATE CAS-No.: 90170-43-7	EC No.: 290-476-8	<1%
Classification (EC 1272/2008) Eye Irrit. 2 - H319		

A Full Text for all Hazard Statements are Displayed in Section 16

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 3 of 9

Date of issue: 01.01.17

Replaces version of: 01.01.15

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

- Inhalation: Remove immediately from source to fresh air. Obtain medical attention if any discomfort continues.
- Skin Contact: Remove contaminated clothing & rinse skin thoroughly with soap & water. Obtain medical attention if irritation persists.
- Eye Contact: Flush eyes with water immediately. Obtain medical attention immediately
- Ingestion: DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention if any discomfort continues.
- Protection of first aider: Avoid ingestion, contact with skin and eyes (see Section 8.)

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

- Inhalation: Spray mists may cause respiratory tract irritation.
- Ingestion: May cause internal injury, pain and/or vomiting
- Skin contact: Irritating to skin. May burn skin after prolonged contact
- Eye contact: Damaging to eyes, may lead to the product affecting the natural lubrication of the eye & cause redness &/or tearing

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

SECTION 5: FIRE FIGHTING MEASURES

- 5.1 Suitable Extinguishing Media: Water, Foam.
- 5.2 Unsuitable: N/A
- 5.3 Specific Hazards: Does not present any particular risk in the event of fire.
- 5.4 Special Equipment for the protection of Fire Fighters: Wear full protective clothing & breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions: Avoid inhalation, ingestion, contact with skin & eyes (see Section 8.)
- 6.2 Environmental Precautions: No special measures required
- 6.3 Methods for Cleaning up: Small Spills - Flush with water.
Large Spills - Contain and collect spillage and absorb on to sand.

SECTION 7: HANDLING AND STORAGE

7.1 Handling

- Technical Measures: No special measures required.
- Safe Handling Advice: Avoid contact with eyes and skin. Comply with instructions for use.

7.2 Storage

- Technical Measures: No special measures required.
- Storage Conditions: Store in a cool dry place.
- Incompatible Products: Acids, Strong Oxidizing Agents.
- Packaging: Plastic Drums.
- Packaging Materials: Recommended: Plastic Materials, Polyethylene, Polypropylene. Not Suitable – Uncoated Metal Drums.

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 4 of 9

Date of issue: 01.01.17

Replaces version of: 01.01.15

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Engineering Measures: No special measures required.
8.2 Personal Protection Equipment:



- Respiratory Protection: Provide adequate ventilation in areas of confined space
Hand Protection: Use Chemical Resistant Gloves to EN Standard 374 Level 1, Letter Code K
Eye Protection: Use Chemical Goggles or Face Shield to EN Standard 166 Level 3 or higher
Skin Protection: Wear Plastic Apron EN Standard 13034 Type PB[6] & Face Shield EN Standard 166 Level 3 or higher

- 8.3 Hygiene Measures: Handle in accordance with good industrial hygiene & safety practices.

8.4 Occupational Exposure Limits

Name	STD	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period)		Notes
		ppm	mg/m ³	ppm	mg/m ³	
DISODIUM METASILICATE PENTAHYDRATE	OELV				2	

OELV = Occupational Exposure Limit Value

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

- | | | |
|----|---|------------------------|
| a) | Appearance: | Yellow Liquid |
| b) | Odour: | Slight chemical |
| c) | Odour threshold: | N/A |
| d) | pH: | 12+/-0.5 |
| e) | Melting point / freezing point: | No data available |
| f) | Initial boiling point & boiling range: | No data available |
| g) | Flash point: | No data available |
| h) | Evaporation rate: | No data available |
| i) | Flammability solid, gas: | No data available |
| j) | Upper/lower flammability or explosive limits: | No data available |
| k) | Vapour pressure: | No data available |
| l) | Vapour density: | No data available |
| m) | Relative density: | 1.03kg/dm ³ |
| n) | Solubility(ies): | Soluble in Water. |
| o) | Partition coefficient: n-octanol/water: | No data available |
| p) | Auto-ignition temperature: | No data available |
| q) | Decomposition temperature: | No data available |
| r) | Viscosity: | No data available |
| s) | Explosive properties: | No data available |
| t) | Oxidising properties: | No data available |

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 5 of 9

Date of issue: 01.01.17

Replaces version of: 01.01.15

SECTION 10: STABILITY AND REACTIVITY

<u>10.1. Reactivity:</u>	There are no known reactivity hazards associated with this product.
<u>10.2. Chemical stability:</u>	Stable under normal temperature conditions and recommended use.
<u>10.3. Possibility of hazardous reactions:</u>	Hazardous Polymerisation N/A
<u>10.4. Conditions to avoid:</u>	Avoid Extreme Temperatures. Avoid contact with acids &/or oxidising agents.
<u>10.5. Incompatible materials:</u>	Acids &/or oxidizing agents
<u>10.6. Hazardous decomposition products:</u>	None under normal conditions.

SECTION 10: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Ingestion:	May cause internal injury, pain and/or vomiting
Skin contact:	Irritating to skin. May burn skin after prolonged contact
Eye contact:	Damaging to eyes, may lead to the product affecting the natural lubrication of the eye & cause redness &/or tearing

11.2. Toxicological information on ingredients:

DISODIUM METASILICATE PENTAHYDRATE (CAS: 10213-79-3)

Acute Toxicity (Oral LD50) 994 mg/kg Rat
Acute Toxicity (Dermal LD50) > 3000 mg/kg Rat
Acute Toxicity (Inhalation LC50) > 2.06 mg/l (vapours) Rat
REACH dossier information

TETRASODIUM ETHYLENE DIAMINE TETRAACELATE CAS-No.: 64-02-8

Acute Toxicity (Oral LD50) 1000 - 2000 mg/kg (rat)
REACH dossier information
Acute Toxicity No skin irritation (rabbit)
OECD Test Guideline 404
Acute Toxicity Eye irritation (rabbit)
OECD Test Guideline 405

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

Acute Toxicity (Oral LD50) > 5000 mg/kg Rat
Acute Toxicity (Dermal LD50) > 2000 mg/kg Rat
Acute Toxicity (Inhalation LC50) > 1.6 mg/l (dust/mist) Rat 4 hours
REACH dossier information

COCOAMIDOPROPYL BETAINE (CAS: 61789-40-0)

Acute toxicity:
Acute Toxicity (Oral LD50)
4900 mg/kg Rat
IUCLID chemical data sheet

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 6 of 9

Date of issue: 01.01.17

Replaces version of: 01.01.15

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity

This product is Readily Biodegradable and not expected to be hazardous to the environment.

12.1. Toxicity

Ecological information on ingredients:

DISODIUM METASILICATE PENTAHYDRATE (CAS: 10213-79-3)

Acute Toxicity - Fish

LC50 96 hours 210 mg/l Brachydanio rerio (Zebra Fish)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 7.8 pH Daphnia magna

Acute Toxicity - Aquatic Plants

EC50 72 hours 207 mg/l Desmodesmus subspicatus

REACH dossier information

TETRASODIUM ETHYLENE DIAMINE TETRAACELATE CAS-No.: 64-02-8

Acute Toxicity - Fish :

LC50 96 hours > 500 mg/l Leuciscus idus (Golden orfe)

EC50 Static Test > 100 mg/l (Lepomis macrochirus)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours >100mg/l Daphnia magna

EC50 24 hours 1033 mg/l Daphnia magna

Method: OECD 202

Acute Toxicity - Algae :

EC50 72 hours > 100 mg/l Desmodesmus subspicatus (green algae)

Method: OECD 201

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

Acute Toxicity - Fish

LC50 96 hours 0.59 mg/l Pleuronectes platessa

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 0.14 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

EC50 72 hours 0.75 mg/l Selenastrum capricornutum

REACH dossier information

COCOAMIDOPROPYL BETAINE (CAS: 61789-40-0)

Acute Toxicity - Fish

LC50 96 hours 2 mg/l Brachydanio rerio (Zebra Fish)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 10.5 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

EC50 96 hours 0.55 mg/l Scenedesmus subspicatus

IUCLID chemical data sheet

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 7 of 9

Date of issue: 01.01.17

Replaces version of: 01.01.15

12.2. Persistence and degradability

Degradability: The surfactant(s) contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Ecological information on ingredients.

TETRASODIUM ETHYLENE DIAMINE TETRAACELATE CAS-No.: 64-02-8

Result: 5 % (activated sludge; 400 mg/l; Related to: Dissolved organic carbon (DOC); Exposure Time: 28 d)(OECD 302 B)

Kinetic data: < 1 %; 3 h

The substance is readily biodegradable

DISODIUM METASILICATE PENTAHYDRATE (CAS: 10213-79-3)

Biodegradation

Scientifically unjustified.

REACH dossier information

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

Biodegradation

Activated sludge Degradation (72%) 28 days

REACH dossier information

The substance is readily biodegradable.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

Ecological information on ingredients

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

Bioaccumulation factor

BCF 12.7 Pimephales promelas (Fat-head Minnow)

REACH dossier information

12.4. Mobility in soil Mobility: The product is soluble in water.

12.5. Results of PBT and vPvB assessment Not determined.

12.6. Other adverse effects Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

General information: Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority

13.1. Waste treatment methods

Dispose of waste in accordance with local regulations. Recover, reclaim or recycle, where possible.

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 8 of 9

Date of issue: 01.01.17

Replaces version of: 01.01.15

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods:

REGULATIONS	CLASS
RID/ADR:	Not Classified
ICAO/IATA-DGR:	Not Classified
GGVSee/IMDG-Code:	Not Classified

<u>14.1. UN number</u>	N/A
<u>14.2. UN proper shipping name</u>	N/A
<u>14.3. Transport hazard class(es)</u>	N/A
<u>14.4. Packing Group</u>	N/A
<u>14.5. Environmental Hazards</u>	
Environmentally Hazardous Substance/Marine Pollutant:	N/A
<u>14.6. Special precautions for user</u>	NA
<u>14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</u>	N/A

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

Corresponding to Preparations Regulations S.I. No. 62 of 2004

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. 6 / 7

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 9 of 9

Date of issue: 01.01.17

Replaces version of: 01.01.15

SECTION 16: OTHER INFORMATION

Revision Comments

Re-issued according to Regulation (EU) No 453/2010.

Revision Date: 01.01.17

Revision No: 5

Replaces version of: 01.01.15

Hazard Statements In Full

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.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.
