



## **PRODUCT INFORMATION SHEET**

# **FC 10**

## **LOW FOAM HEAVY DUTY FLOOR CLEANER**

### **PRODUCT INFORMATION:**

Concentrated cleaner for the rapid & effective removal of fat, grease, grime, oil & ingrained soiling from vinyl, rubber, concrete, stainless steel, ceramic & painted floor surfaces to leave a grease free non slip surface. Ideal for use in food processing or preparation areas through pressure washers, high speed floor machines & scrubber dryers. May also be used manually with a mop & bucket

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### **ADVANTAGES:**

HIGH CLEANING POWER:	A highly concentrated blend of alkalis, sequestering agent & surface active agents to give excellent cleaning & degreasing properties.
SUITABLE IN HARD OR SOFT WATER:	Contains powerful sequestering agent which inhibits scale formulation & optimises detergency which enables the product to be effective even in very hard water areas.
VERSATILITY OF USE:	Can be used on floors, walls indeed all hard surfaces. Food Safe @ 1:80 dilution ratio.
LOW FOAMING:	FC 10 cleaning equipment or machines.
LEAVES NO STREAKS OR SMEARS:	Scrub Clean easily rinses off to leave residue free surfaces
BIODEGRADABILITY:	Readily biodegradable water based product.
SOLUBILITY:	100% Soluble in water.

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### **DIRECTIONS FOR USE:**

Use at the following concentrations: Light Soiling 1:80; Medium Soiling 1:50; Heavy Soiling 1:20 in floor machines for normal usage. The same concentration applies for manual cleaning. May also be used as a pre-spray. On polished floors use at a minimum dilution of 1:80  
Rinse well after use. Do not mix with other cleaning materials.

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**HEALTH AND SAFETY:** See Safety Data Sheet.

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### **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.

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### **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.

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## PRODUCT NAME: FC 10 LOW FOAM FLOOR CLEANER

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product Name FC 10 LOW FOAM FLOOR CLEANER  
Product No. HR 508

#### 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 Rota Industries Ltd  
Kanturk, Co Cork, Ireland  
Tel: + 353 (0)29 56300 Fax: + 353 (0)29 56213

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

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification: Regulation (EC) No 1272/2008 H314, H302  
Human health: Causes severe skin burns and eye damage. Harmful if swallowed  
Environment: This product is Readily Biodegradable and not expected to be hazardous to the environment

#### 2.2. Label elements

Detergent Labelling: Contains: Sodium hydroxide, anionic, non-ionic & amphoteric surfactants



#### Labelling

DANGER

WARNING

Hazard	H314	Causes severe skin burns and eye damage.
Statements	H302	Harmful if swallowed
Precautionary	P260	Do not breathe mist/spray
Statements	P262	Do not get in eyes, on skin or on clothing
	P264	Wash hands thoroughly after handling
	P270	Do not eat, drink or smoke when using this product.
	P280	Wear protective gloves, clothing, eye & face protection
	P301	IF SWALLOWED: Rinse out mouth immediately with water.
	& 310	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
	P304	IF INHALED: Remove immediately from source to fresh air. Obtain medical attention if any discomfort continues.
	P305	IF IN EYES: Flush eyes with water, remove contact lenses if present & continue rinsing. Immediately call a poison centre or doctor/physician.
	& 310	

2.3. Other hazards N/A

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

SODIUM HYDROXIDE CAS-No.: 1310-73-2	1-5%
Classification (EC 1272/2008) Skin Corr. 1A - H314	
DISODIUM METASILICATE PENTAHYDRATE CAS-No.: 10213-79-3	1-5%
Classification (EC 1272/2008) Metal Corr. 1 – H290 Skin Corr. 1B - H314 STOT SE 3 - H335	
TETRASODIUM ETHYLENE DIAMINE TETRAACELATE CAS-No.: 64-02-8	1-5%
EC No.: 200-573-9 Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	
ALKYLAMINE DICARBOXYLATE CAS-No.: 90170-43-7	1-5%
EC No.: 290-476-8 Classification (EC 1272/2008) Eye Irrit. 2 - H319	

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

## 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. Immediately call a poison centre or doctor/physician.
Ingestion:	DO NOT INDUCE VOMITING! Rinse out mouth immediately with water. Immediately call a poison centre or doctor/physician
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:	Harmful if swallowed. May cause internal injury, pain and/or vomiting
Skin contact:	Causes irritation, burning & redness.
Eye contact:	Damaging to eyes. Risk of serious damage to eyes

### 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.

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## 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: None.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions: Avoid contact with skin and 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.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters:

Name	STD	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15 minute reference period)		Notes
		ppm	mg/m3	ppm	mg/m3	
SODIUM HYDROXIDE	OELV	-		-	2	
DISODIUM METASILICATE PENTAHYDRATE	OELV				2	

OELV = Occupational Exposure Limit Value

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## 8.2 Personal Protection Equipment:



Respiratory Protection:  
Hand Protection:

Eye Protection:

Skin Protection:



Provide adequate ventilation in areas of confined space.  
Use Chemical Resistant Gloves to EN Standard 374 Level 1, Letter Code K

Use Chemical Goggles or Face Shield to EN Standard 166 Level 3 or higher

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 and safety practices.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

a)	Appearance:	Form: Liquid. Colour: Red
b)	Odour:	Slight Chemical
c)	Odour threshold:	N/A
d)	pH:	13+/-0.5 (Undiluted)
e)	Melting point/freezing point:	No data available
f)	Initial boiling point & 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:	1.08kg/dm <sup>3</sup>
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

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity:

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability:

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions:

Hazardous Polymerisation N/A

### 10.4. Conditions to avoid:

Avoid Extreme Temperatures. Avoid contact with acids &/or oxidising agents.

### 10.5. Incompatible materials:

Acids &/or oxidizing agents

### 10.6. Hazardous decomposition products:

None under normal conditions.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects:

Inhalation: Spray mists may cause respiratory tract irritation.  
Ingestion: Harmful if swallowed. May cause internal injury, pain and/or vomiting  
Skin contact: Causes irritation, burning & redness.  
Eye contact: Damaging to eyes. Risk of serious damage to eyes

### 11.2. Toxicological information on ingredients:

#### SODIUM HYDROXIDE (CAS: 1310-73-2)

##### Acute toxicity:

Acute Toxicity (Dermal LD50)  
1350 mg/kg Rabbit  
IUCLID chemical data sheet.

#### 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

## 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:

#### SODIUM HYDROXIDE (CAS: 1310-73-2)

Acute Toxicity - Fish  
LC50 96 hours 45.4 mg/l *Onchorhynchus mykiss* (Rainbow trout)  
IUCLID chemical data sheet.

#### 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

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## 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

### 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.

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

Biodegradation. Scientifically unjustified.

REACH dossier information

## 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

### 12.3. Bioaccumulative potential

No data available on bioaccumulation.

### 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.

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## SECTION 14: TRANSPORT INFORMATION

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

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

14.1. UN number: N/A

14.2. UN proper shipping name: N/A

14.3. Transport hazard class(es): N/A

14.4. Packing Group: N/A

14.5. Environmental Hazards

Environmentally Hazardous Substance/Marine Pollutant: N/A

14.6. Special precautions for user: NA

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: 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.



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## SECTION 16: OTHER INFORMATION

### Revision Comments

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

Revision Date: 01.01.20

Revision No: 6

Replaces version of: 01.01.17

### Hazard Statements In Full

H314 Causes severe skin burns and eye damage.

H302 Harmful if swallowed

H290 May be corrosive to metals

H335 May cause respiratory irritation

H318 Causes serious eye damage

H319 Causes serious eye irritation

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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.

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