PROFESSIONAL CLEANING PRODUCTS

PRODUCT INFORMATION SHEET

NON ACID ALLOY WHEEL CLEANER

PRODUCT INFORMATION:

A super concentrated alkaline detergent designed for the rapid & effective removal of black carbon dust & dirt from alloy wheels, tyres, discs & calipers.

ADVANTAGES:

HIGH FOAM STABILITY:	Formulated to produce medium/high foam when used at the appropriate dilution's. This ensures long contact times to promote soil removal.
HIGH CLEANING POWER:	Contains a powerful blend of alkalis, surfactants, sequestering agent and emulsifiers, which remove carbon dust & 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. As it has excellent cleaning & degreasing properties it may also be used as a TFR or a hard surface cleaner on garage forecourts & buildings.
BIODEGRADABLE:	Fully biodegradable.
SOLUBILITY:	100% soluble in water.

DIRECTIONS FOR USE:

Use at the following concentrations: Light Soiling 1:20; Medium Soiling 1:15; Heavy Soiling 1:5. Spray onto wheel. Leave for 3-4 minutes, for very stubborn or ingrained soiling, agitate surface with a soft brush before washing off with water.

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

Date of issue: 01.01.17 Replaces version of: 01.01.15

PRODUCT NAME: NON ACID ALLOY WHEEL CLEANER

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

1.1. Product identifier

Product Name	NON ACID ALLOY WHEEL CLEANER
Product No.	AC110 NA

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	Cleanfast.ie Ashleigh House, JFK Road, Dublin 12 Tel: 1800 848700 (free) Email: info@fastdeal.ie
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: H302, H314
Human health:	Harmful if swallowed. Causes severe skin burns and eye damage
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 Statements	H302	Harmful if swallowed
	H314	Causes severe skin burns and eye damage.
Precautionary Statements	P260	Do not breathe mist/spray
	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 & 310	IF SWALLOWED: Rinse out mouth immediately with water. 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 & 310	IF IN EYES: Flush eyes with water, remove contact lenses if present & continue rinsing. Immediately call a poison centre or doctor/physician.

2.3. Other hazards N/A

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

SODIUM HYDROXIDE CAS-No.: 1310-73-2 EC No.: 215-185-5	5-10%
Classification (EC 1272/2008) Skin Corr. 1A - H314	

COCOAMIDOPROPYL BETAINE CAS-No.: 61789-40-0 EC No.: 263-058-8	5-10%
Classification (EC 1272/2008) 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	

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	

ALKYL DIMETHYLAMINE OXIDE CAS-No.: 68955-55-5 EC No.:	0-2%
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	

ALCOHOL ETHOXYLATE CAS-No.: 68439-45-2 EC No.:	0-2%
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	

ALKYLAMINE DICARBOXYLATE CAS-No.: 90170-43-7 EC No.: 290-476-8	0-1%
Classification (EC 1272/2008) Eye Irrit. 2 - H319	

ß-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	

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. Obtain medical attention if irritation persists.
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 &/or vomiting
Skin contact:	Causes burns. May cause irritation & 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.

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:	Self-contained breathing apparatus & full body protective clothing

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 ingestion, 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

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 and safety practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a)	Appearance:	Blue liquid
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:	1.15kg/dm3
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.

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 &/or vomiting
Skin contact:	Causes burns. May cause irritation & 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 (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

COCOAMIDOPROPYL BETAINE (CAS: 61789-40-0)

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

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

ALKYL DIMETHYLAMINE OXIDE (CAS: 68955-55-5)

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

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

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

AcuteToxicity - 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

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.

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

ALKYL DIMETHYLAMINE OXIDE (CAS: 68955-55-5)

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

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

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

Biodegradation
Activated sludge Degradation (72%) 28 days
REACH dossier information
The substance is readily biodegradable.

ALKYL DIMETHYLAMINE OXIDE (CAS: 68955-55-5)

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

ALKYL DIMETHYLAMINE OXIDE (CAS: 68955-55-5)

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.

SECTION 14: TRANSPORT INFORMATION

REGULATIONS	CLASS
RID/ADR:	8
ICAO/IATA-DGR:	8 UN 1719
GGVSee/IMDG-Code:	8

14.1. UN number	1710
14.2. UN proper shipping name	Caustic Alkali Liquids, NOS
14.3. Transport hazard class(es)	8
14.4. Packing Group	III

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.

SECTION 16: OTHER INFORMATION

Revision Comments

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

Revision Date: 01.01.17

Revision No: 3

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
H400	Very toxic to aquatic life

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.
