PROFESSIONAL CLEANING PRODUCTS

PRODUCT INFORMATION SHEET

DISH WASH POWDER

PRODUCT INFORMATION:
High quality, concentrated alkaline powder detergent suitable for use in all types of spray dish washing machines. Contains a scale inhibitor to optimise detergency even in very hard water areas to cut through grease & grime leaving a streak free finish. Unlike other machine dish washing detergents it is safe to use aluminium pots, pans & baking trays

ADVANTAGES:

REMOVES EVEN TENACIOUS SOILING:	Contains a powerful blend of caustic alkalis, sequestering agents & non-ionic detergents, which cuts through even the heaviest of grease & grime.
NON-FOAMING:	Dish Wash Powder is totally non-foaming making it ideal for use in industrial & catering operations.
PREVENTS LIME SCALE BUILD UP:	Dish Wash Powder contains a sequestering agent which inhibits scale formation & optimises detergency even in very hard water areas.
LEAVES NO STREAKS OR SMEARS:	Easily rinsed off, particularly if a good quality rinse aid is used in conjunction with it, during the rinse cycle.
BIODEGRADABLE:	Fully biodegradable.
SOLUBILITY:	100% soluble in water.

DIRECTIONS FOR USE:
Depending on degree of soiling & hardness of water use approx. 1.5 grams of powder per 1L water capacity of the machine. For example, in a 20L water capacity dishwasher use 30 grams of powder. Not suitable for hand washing. Do not mix with other cleaning detergents.

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: 10Kg Bucket

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: 01.01.14

PRODUCT NAME: DISH WASH POWDER

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

1.1. Product identifier

Product Name	DISH WASH POWDER
Product No.	KR 312

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 H290, H314, H335
Human health:	Causes severe skin burns & eye damage. May cause respiratory irritation
Environment:	The product is Readily Biodegradable and not expected to be hazardous to the environment.

2.2. Label elements

Contains: Sodium Carbonate & Sodium Metasilicate

Labelling

DANGER

WARNING

Hazard Phrases	H290	May be corrosive to metals
	H314	Causes severe skin burns & eye damage
	H335	May cause respiratory irritation
Precautionary Statements	P234	Keep only in the original container
	P260	Do not breathe dust or fumes
	P264	Wash hands thoroughly after handling
	P271	Use only in a well-ventilated area
	P280	Wear protective gloves clothing, eye & face protection
	P301, 330 & 331	IF SWALLOWED: Rinse out mouth immediately with water. Do not induce vomiting. Immediately call a poison centre or doctor/physician.
	P303, 361& 331	IF ON SKIN: Remove contaminated clothing & rinse skin thoroughly with soap & water. Immediately call a poison centre or doctor/physician.
	P304	IF INHALED: Remove immediately from source to fresh air & keep comfortable for breathing. Obtain medical attention if any discomfort continues.
	P305 & 312	IF IN EYES: Flush eyes with water, remove contact lenses if present & continue rinsing. Immediately call a poison centre or doctor/physician.

P390 Absorb spillage to prevent material damage
P405, 406 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

SODIUM CARBONATE CAS-No.: 497-19-8 EC No.: 207-838-8	15-30%
Classification (EC 1272/2008) Eye Irrit. 2 - H319	

DISODIUM METASILICATE PENTAHYDRATE CAS-No.: 10213-79-3 EC No.: 229-912-9.	15-30%
Classification (EC 1272/2008) Metal Corr. 1 – H290 Skin Corr. 1B - H314 STOT SE 3 - H335	

SODIUM SULPHATE CAS-No.: 7757-82-6 EC No.: 231-820-9.	15-30%
Classification (EC 1272/2008) NC	

TROCLOSENE SODIUM DIHYDRATE CAS-No.: 51580-86-0 EC No.:	1-5%
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Chronic 1 - H410	

SODIUM CHLORIDE CAS-No.: 7647-14-5 EC No.: 231-598-3	1-5%
Classification (EC 1272/2008) NC	

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, remove contact lenses if present & continue rinsing. Obtain medical attention if irritation persists.

Ingestion: Rinse out mouth immediately with water. Consult a doctor if irritation persists.

Protection of first aider: Avoid breathing dust & contact with skin and eyes (see Section 8.)

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

Inhalation:	Dust particles may cause coughing, chest tightness, feeling of chest pressure.
Ingestion:	May cause extreme discomfort if swallowed. May cause internal injury
Skin contact:	May cause serious chemical burns to the skin.
Eye contact:	Extreme irritation & damage of eyes & mucous membranes, including burning &/or tearing. 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:	Burning produces irritating toxic and obnoxious fumes.
5.4	Special Equipment for the protection of Fire Fighters:	Fire fighters should wear self-contained breathing apparatus & 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 inhalation, 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 out of direct sunlight.
Incompatible Products:	Acids.
Packaging:	Plastic Drums.
Packaging Materials:	Recommended: Plastic Materials, Polyethylene, Polypropylene. Not Suitable - Uncoated Metal Drums.

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. If engineering controls do not maintain airborne concentrations below recommended exposure limits, where applicable an air-purifying respirator type ABEK (EN 14387) respirator cartridges must be worn

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/m3	ppm	mg/m3	
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:	White powder with blue spec
b)	Odour:	Slight Chemical
c)	Odour threshold:	N/A
d)	pH:	10+/-0.5 @ 1% Solution
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:	1.01kg/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:	Oxygen.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Inhalation: Dust particles may cause coughing, chest tightness, feeling of chest pressure.

Ingestion: May cause extreme discomfort if swallowed. May cause internal injury

Skin contact: May cause serious chemical burns to the skin.

Eye contact: Extreme irritation & damage of eyes & mucous membranes, including burning &/or tearing. Risk of serious damage to eyes

11.2.Toxicological information on ingredients:

SODIUM CARBONATE (CAS-No.: 497-19-8)

Acute toxicity:

Acute Toxicity (Oral LD50)
> 5000 mg/kg Rat
Acute Toxicity (Dermal LD50)
> 2000 mg/kg Rat
Acute Toxicity (Inhalation LC50)
> 800 mg/cu m/2 hr (dust/mist) Rat 4 hours
REACH dossier information

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

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 CARBONATE (CAS-No.: 497-19-8)

Acute Toxicity - Fish
LC50 96 hours 32.71 mg/l Pimephales promelas (Fat-head Minnow)
Acute Toxicity - Aquatic Invertebrates
EC50 48 hours 265 mg/l Daphnia magna
REACH dossier information

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

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

12.3. Bioaccumulative potential
No data available on bioaccumulation.

Ecological information on ingredients

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

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

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 & of the Council of 16 December 2008 on classification, labelling & packaging of substances & mixtures, amending & repealing Directives 67/548/EEC & 1999/45/EC, & 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: 4
Replaces version of: 01.01.14

Hazard Statements In Full

H290	May be corrosive to metal
H302	Harmful if swallowed
H314	Causes severe skin burns & eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H410	Very harmful to aquatic life with long lasting effects
NC	Not Classified

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.
