ECO CLEANING SOLUTIONS

PRODUCT INFORMATION SHEET

SUPER PHOS BLUE

TOILET DE-SCALER

PRODUCT INFORMATION:
Stainless Steel safe, powerful cleaner & de-scaler designed for use on all bathroom & sanitary equipment & surfaces for deposit free, sparkling hygienic fittings without the use of harsh abrasives. Will remove corrosion & brighten tarnished stainless steel & aluminium urinals

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ADVANTAGES:

EXCELLENT CORROSION & SCALE REMOVER:	Super Phos Blue contains a high concentration of phosphoric acid which quickly removes lime scale & uric scale leaving a clean, deposit free surface
REMOVES SOILING:	Super Phos Blue contains a penetrate which also emulsifies & washes away any traces of soiling which would interfere with its de-scaling ability.
BRIGHTENS TARNISHED ALUMINIUM & STAINLESS STEEL:	Super Phos Blue removes corrosion, cleans & brightens aluminium, zinc, copper & stainless steel surfaces
COST EFFECTIVE & CONCENTRATED:	Super Phos Blue is a viscous, concentrated liquid therefore clings to the surface to allow increased contact time. As it is concentrated waste & costs are controlled
BIODEGRADABLE &: WATER SOLUBLE:	Fully biodegradable & 100% soluble in water.

DIRECTIONS FOR USE:
For toilets direct 50mls under the rim of the bowl, agitate with toilet brush. Always allow a few minutes contact time before flushing. For other wash room surfaces apply neat & agitate the surface with a scour pad or sponge. Allow a few minutes to penetrate before rinsing. Do not mix with other detergents especially bleach.

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: 1Lt Duck Neck Bottle

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: 01.01.21 Replaces version of: 01.01.17

PRODUCT NAME: SUPER PHOS BLUE

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

1.1. Product identifier

Product Name SUPER PHOS BLUE
Product No. BR 403

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 Jsk Eco Cleaning Solutions
Tramore Road , Cork
Tel: 021 4318545
Email: info@jskcleaning.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 H314.
Human health: Causes severe skin burns and eye damage.
Environment: This product is readily biodegradable & not expected to be hazardous to the environment.

2.2. Label elements

Detergent Labelling: Contains: Phosphoric Acid, Non-ionic surfactants

Labelling

DANGER

Hazard Statements	H314	Causes severe skin burns and eye damage.
Precautionary Statements	P102	Keep out of the reach of children
	P260	Do not breathe vapours or spray mists
	P262	Do not get in eyes, on skin or on clothing
	P264	Wash hands thoroughly after handling
	P280	Wear protective gloves, clothing, eye & face protection
	P301 & 310	IF SWALLOWED: Rinse out mouth immediately with water. Immediately call a poison center 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 center or doctor/physician.

2.3. Other hazards N/A

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

PHOSPHORIC ACID CAS-No.: 7664-38-2 EC No.: 231-633-2	5-10%
Classification (EC 1272/2008) Skin Corr. 1B - H314	

ALKYL DIMETHYLAMINE OXIDE CAS-No.: 68955-55-5 EC No.: 273-281-2	1-5%
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	

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.

Skin Contact: Remove contaminated clothing & rinse skin thoroughly with soap & water.

Eye Contact: Flush eyes with water immediately. Obtain medical attention.

Ingestion: Rinse out mouth immediately with water. Obtain medical attention.

Protection of first aider: Avoid 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. Prolonged inhalation may cause damage to the upper respiratory tract & cause irritation of the mucous membranes of the nose.

Ingestion: Ingestion causes severe damage to the mucous membranes or deeper tissue of the mouth, throat, oesophagus and stomach.

Skin contact: Causes severe burns.

Eye contact: Causes severe burns. 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: Small Fire: Carbon Dioxide, dry chemical powder, alcohol resistant foam or water fog.
Large Fire: Alcohol resistant foam or water fog.

5.2 Unsuitable: N/A

5.3 Specific Hazards: Vaporises on heating to liberate highly irritating mists of phosphoric acid. May decompose in a fire to generate irritating fumes of phosphorous pentoxide. Attacks most metals, liberating flammable hydrogen gas, which may form an explosive mixture with air.

5.4 Special Equipment for the protection of Fire Fighters: May generate toxic and explosive fumes in a fire, therefore fire fighters should wear self-contained breathing apparatus and 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: If size of spillage warrants and has contaminated water courses, drains or vegetation - advise appropriate authorities.

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: Alkalis, Strong Oxidizing Agents. Mild steel, cast iron, aluminium, aluminium alloys, brasses, tinned and galvanized materials are all attacked

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.

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.

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	
PHOSPHORIC ACID	OELV	-	1 mg/m3	-	2 mg/m3	

OELV = Occupational Exposure Limit Value

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a)	Appearance:	Viscous Blue Liquid.
b)	Odour:	Fragrant
c)	Odour threshold:	N/A
d)	pH:	1+/-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:	1.08kg/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 alkalis &/or oxidising agents.
10.5. Incompatible materials:	Alkalis &/or oxidizing agents
10.6. Hazardous decomposition products:	Oxides of Phosphorus and other toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Inhalation:	Spray mists may cause irritation and corrosion to skin, eyes, respiratory and digestive tracts
Ingestion:	Harmful if swallowed. May burn the mouth and upper digestive tract.
Skin contact:	Corrosive and Irritating to skin. Will burn skin on contact
Eye contact:	Risk of serious damage to eyes.

11.2.Toxicological information on ingredients:

PHOSPHORIC ACID (CAS: 7664-38-2)

Toxic Dose 1 - LD 50
>1530
Acute Toxicity (Dermal LD50)
>2740 mg/kg Rabbit
REACH dossier information

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

Acute toxicity:

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 may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

12.1. Toxicity
Ecological information on ingredients:

PHOSPHORIC ACID (CAS: 7664-38-2)

Acute Toxicity - Fish
LC50 96 hours 702 µg/L Pimephales promelas (Fat-head Minnow)
Acute Toxicity - Aquatic Invertebrates
EC50 48 hours 0.67 mg/l Daphnia magna
Acute Toxicity - Aquatic Plants
EC50 72 hours 8 mg/l Desmodesmus subspicatus
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.

PHOSPHORIC ACID (CAS: 7664-38-2)

Degradability
This product mainly consists of inorganic compounds which are not biodegradable. The remaining compounds of the product are expected to be easily 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

PHOSPHORIC ACID (CAS: 7664-38-2)

Bioaccumulative potential
The product does not contain any substances expected to be bioaccumulating

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

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 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: 01.01.21
Revision No: 5
Replaces version of: 01.01.17

Hazard Statements In Full

H315	Causes skin irritation
H318	Causes serious eye damage
H314	Causes severe skin burns and eye damage
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.